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ABSTRACT

Based on follow-up studies of the 1975, 1976, and 1977 Manitoba Community College graduates, this handbook outlines the employment experiences of graduates from 20 vocational programs in the health and personal services, business and administrative studies, applied arts, industrial and technological arts, and teacher education divisions. Programs offered at MCC within each vocational area are listed along with: (1) a program description from the college calendar: (2) a description of the duties of the jobs for which the program provides training: (3) the employment rate of students who graduated from the course; (4) the locations of employment: (5) starting salaries: (6) possible organizations where students can seek employment after training: and (7) the actual jobs attained by program graduates one year after graduation. Although the handbook is designed as an information source for identifying possible employment opportunities, the authors urge caution in its use since labor market conditions and employment situations will continue to change. (JP)

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JC 800 339

Handbook on Labour Market Experiences of Community College Graduates

RESEARCH BRANCH
MANPOWER DIVISION

Department of Labour and Manpower
Honourable Ken MacMaster, Minister

MANITOBA

OCTOBER, 1979

U S DEPARTMENT OF HEALTH, EDUCATION & WELFARE NATIONAL INSTITUTE OF EDUCATION

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ABSTRACT

The Handbook on Labour Market Experiences of Community Colleges Graduates has been prepared for use by career counsellors in the Province of Manitoba. This includes school counsellors as well as other career counsellors in various agencies. This handbook has been prepared by taking information obtained from surveys of graduates one year after leaving their community college training. Data from surveys of graduates of the years 1975, 1976 and 1977 was included in this Handbook. The handbook includes a description of courses offered, types of industries or agencies where graduates are usually employed, labour market outcomes data from the surveys on graduates surveyed who were employed or unemployed, area of province of job and average weekly/hourly wage for the latest survey year. Also included is a table which indicates into which occupations and jobs the graduates have gone. The Handbook has been used for two years and is proving very useful as a career counselling tool.

HANDBOOK ON
LABOUR MARKET EXPERIENCES
OF
COMMUNITY COLLEGE GRADUATES

Research Branch
Dept. of Labour and Manpower
October, 1979

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INTRODUCTION

This handbook was developed primarily as a resource for professionals engaged in counselling Community College students or potential students. It represents an attempt at bringing together, in a non-technical format, information on Community Colleges' courses, information from various sources of related occupational studies, and survey results on labour force and employment outcomes of course graduates. The handbook is not intended to be (nor should it be used as) a shopping guide to courses for students. The labour force and employment outcomes reported herein are based on data collected on graduates from 1975, 1976, and 1977, who were surveyed in 1976, 1977, and 1978 respectively. The data provides a statistical picture of what has transpired with graduates of the past and does not constitute a guarantee for graduates of the future, since labour market conditions and employment situations will continue to change.

Work on this handbook was begun in 1977, with the statistical information presented in the handbook being based on the best and most recent data available at that time. With the more recent information available from 1978 sources, the handbook has been updated.

Handbook users should note that survey statistics for some courses are based on small numbers of respondents (usually because there were small numbers of graduates from those courses during the survey periods). Therefore, outcomes survey data based on small numbers of graduates should be used with caution and "common sense". Users of the handbook are encouraged to read the Technical Forward following this Introduction to gain a better understanding of the definitions and sources of the information presented herein.

TECHNICAL FORWARD

This handbook has been compiled (as a source of information for students, counsellors and administrators) to show the actual labour market experiences of Manitoba Community College graduates by their course of instruction. This information could be useful for identifying possible future employment opportunities for students, relationships between college training and labour market needs, and the possibilities or needs for course modifications.

The information presented in this handbook includes:

(1) job duty descriptions of the training course occupations, (Source: Community College calendars and brochures and the Canadian Classification and Dictionary of Occupations (CCDO) manual);

(2) actual labour market experiences of course graduates, (i.e. whether students were employed, unemployed and looking for work, or involved in other activities one year following their graduation from training);

(3) location of employment of course graduates, (i.e. Winnipeg, rural Manitoba, outside of Manitoba);

(4) basic starting salaries of course graduates;

(5) possible employment establishments where students can seek employment following training;

(6) actual jobs attained by course graduates one year following their graduation from training.

The data provided for items (2) through (6) above is derived from the results of three similar follow-up studies which were conducted during the summer of 1976 (May-July, 1975 graduates), during the summer of 1977 (May-July, 1976 graduates), and during the summer of 1978 (May-July, 1977 graduates). The courses selected for study included all regular on-campus, two-year diploma and one-year or less certificate courses (excluding apprenticeship training) offered in Manitoba's three community colleges - Red River Community College (Winnipeg), Assiniboine Community College (Brandon), and Keewatin Community College (The Pas). All individuals from the above courses who graduated between May-July of 1975 to 1977 were surveyed approximately one year following their graduation from training.

Graduates who were employed at the time of the surveys were asked to state their occupational title and describe their job duties. Individuals who completed this information were matched with occupational codes described in the Canadian Classification and Dictionary of Occupations (CCDO) manual.

In an attempt to facilitate a comparison between the occupational distribution of course graduates and the training course itself, each course was assigned a 4-digit occupational code according to the CCDO manual. The code identifies the principal area of job preparation contained in a training course and is found to the left of each course title. In some cases, more than one occupational code could be assigned to a specific course. In most cases, it was relatively easy to compare the major occupational/course code with the occupational codes of graduates at the time of the surveys, thus providing a simple analysis of the training-relatedness of jobs to courses.

Many of the skills acquired in the course of training for one occupation are transferable among other occupations. Individuals who were employed in occupations other than the occupation they trained for may actually have training-related employment to some degree. They may also be in the development stages of their career paths. Also, some graduates may not have accepted jobs requiring the use of their training skills, due to the presence of better employment alternatives in the labour market. Therefore, it may be difficult to measure the actual success of a training program in preparing an individual for employment in a training-related occupation.

The employed graduates were also requested to indicate their average weekly earnings (before deductions). In order to provide the most timely earnings information, only the 1978 survey data was used.

It is important that the average weekly earnings data be interpreted with caution, however, as such variables as age, sex, job experience, seniority, union affiliation and employment type (i.e. part-time, contract, etc.) have considerable impact on the actual earnings of individuals.

OVERVIEW OF 1978 SURVEY FINDINGS

The 1978 survey findings are based on the responses of 1,943 two-year diploma and one-year or less certificate course graduates from Manitoba's three community colleges from May to July, 1977. The graduates were surveyed approximately one year following their graduation from training. Overall, a total of 3,128 graduates were surveyed in 1978, yielding a response rate (excluding non-locates) of 71.6 percent.

Labour Market Status

- When surveyed, approximately 94.3 percent of the college graduates were labour force participants one year following their graduation from training, that is, they were either employed or actively seeking work.
- Of the survey respondents, 88.2 percent were employed, 6.1 percent were unemployed and seeking work, and 5.7 percent were not in the labour force.
- Of the 5.7 percent of the graduates not in the labour force at the time of the survey, 2.5 percent were in school or taking further training, and 3.2 percent were in other non-labour force categories such as keeping house.

Relationship of Training to Jobs

- Of the graduates who were employed at the time of the survey, 82 percent had indicated that they found their training to be related to their jobs.

Location of Employment

- While over 90 percent of the graduates who were employed during the 1978 survey period were working at jobs in Manitoba, 57.8 percent of the graduates surveyed were working in Winnipeg.

Earnings

- Average weekly earnings of those employed in July, 1978 was $204.21 per week, while average hourly wage was $5.26.

  In comparison, the prevailing minimum wage for persons 18 years of age and older was $2.95 per hour, and represented equivalent weekly earnings of $118.00.

SECTION I

HEALTH CARE AND PERSONAL SERVICES DIVISION

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- i) Dental Assisting - Chairside 12
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- iii) Nuclear Medicine Technology 20

D. Personal Services

- i) Child Care Services 22
- ii) Social Services 24

Course:	DIPLOMA NURSING (3131)
Course Type:	Two-Year Diploma
Colleges Where Course Offered:	Red River Community College

Course Description:

The Diploma Nursing course prepares individuals for occupations concerned with giving nursing care to the sick, injured and infirm; giving nursing advice; assisting physicians; and performing other nursing tasks. Successful completion of the course leads to a college diploma in Nursing Education and eligibility to write nurse registration examinations (R.N.s) in Manitoba. With further training, Registered Nurses may be employed in specialty areas and supervisory positions.

Possible Employment Establishments:

- Hospitals
- Clinics
- Nursing homes
- Private homes
- Schools
- Industrial plants
- Department stores
- Government agencies

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	114
Number employed:	100
Number unemployed and seeking work:	5
Number not seeking work:	9
Percentage who found jobs in Winnipeg:	75
Percentage who found jobs in rural Manitoba:	14
Percentage who found jobs outside Manitoba:	11
Average weekly (hourly) earnings, 1977 grads:	$232.03 ($5.85)

DIPLOMA NURSING

ACTUAL OCCUPATIONS ATTAINED BY COUPSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
3130	Supervisors, Nursing Occupations			
	Registered Nurse, Inservice Director			1
3131	Nurses, Graduate, Except Supervisors			
	Nurse, Administrative	1		
	Nurse III, Psychiatric		1	
	Registered Nurse	34	27	29
	Senior Health Care Officer	1		
3134	Nursing Assistants			
	Licensed Practical Nurse			1
4197	General Office Clerks			
	Clerk III, Government		1	
5137	Sales Clerks, Commodities			
	Sales Clerk		1	
5199	Other Sales Occupations, n.e.c.			
	Fashion Model			1
6120	Supervisors, Food & Beverage Preparation			
	Restaurant Manager			1
		36	30	33

Course:	DIPLOMA NURSING - REFRESHER (3131)
Course Type:	Certificate
Colleges where course offered:	Red River Community College

Course Description:

The Diploma Nursing Refresher course is designed to update the skills of Registered Nurses and to develop knowledge and skills in nursing fundamentals, needs of adults in health and illness and current trends and issues in nursing. Theory activities include group discussion, seminars, assignments and considerable individual use of audio-visual aids. Clinical experiences are in extended and acute care hospitals.

Possible Employment Establishments:

Hospitals
Clinics
Nursing homes
Private homes
Schools
Industrial plants
Department stores
Government agencies

SURVEY DATA FROM 1977 GRADUATES:

Number of responses:	35
Number employed:	29
Number unemployed and seeking work:	Nil
Number not seeking work:	6
Percentage who found jobs in rural Manitoba:	27.6
Percentage who found jobs in Winnipeg:	69.0
Percentage who found jobs outside Manitoba:	3.4
Average weekly (hourly) earnings, 1977 grads:	$164.10 ($6.14)

DIPLOMA NURSING - REFRESHER

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	1977 GRADUATES
3131	Nurses, Graduate, Except Supervisors	
	General Duty Nurse	3
	Graduate Nurse	1
	Paramedical Nurse	1
	Registered Nurse	20
	Staff Nurse	1
3135	Nursing Aides and Orderlies	
	Nurse's Aide	1
	Nurse's Assistant	1
5130	Supervisors: Sales Occupations, Commodities	
	Boutique Partner	1
		29

Course:	PRACTICAL NURSING (3134)
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College Assiniboine Community College Keewatin Community College

Course Description:

The Practical Nursing course prepares individuals for occupations concerned with giving routine nursing care to the sick, injured, and infirm, under the direction of physicians or registered nurses. Activities generally include: taking and recording temperature, pulse, respiration and blood pressure; giving baths and shaving patients; and serving nutrients and feeding patients. The course consists of basic nursing theory at the college and practical experience at an affiliated Manitoba hospital. Upon successful completion of both the program and the licensing examination, the graduate assumes the title "Licensed Practical Nurse".

Possible Employment Establishments:

Hospitals
Nursing homes
Government Agencies
Clinics

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	346
Number employed:	290
Number unemployed and seeking work:	22
Number not seeking work:	34
Percentage who found jobs in Winnipeg:	50.0
Percentage who found in jobs in rural Manitoba:	48.6
Percentage who found jobs outside Manitoba:	1.4
Average weekly (hourly) earnings, 1977 grads:	$173.48 ($4.67)

PRACTICAL NURSING

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
2799	Other Teaching & Related Occupations, n.e.c.			
	Teacher's Aide			1
3131	Nurses, Graduates, Except Supervisors			
	Nurse			2
3134	Nursing Assistants			
	Licensed Practical Nurse	79	73	105
	Nursing Attendant			1
3135	Nursing Aides and Orderlies			
	Nurse's Aide	2	2	3
	Nursing Home Orderly			1
	Psychiatric Assistant			1
3139	Nursing, Therapy and Related Occupations			
	Community Health Rep.			1
3156	Medical Laboratory Technologists & Technicians			
	Lab Technician			1
3159	Other Occupations in Medicine & Health			
	Dietary Aide			1
4111	Secretaries and Stenographers			
	Secretary, Accounts	1		
4113	Typists and Clerk-Typists			
	Secretary	1		
4131	Bookkeepers and Accounting Clerks			
	Payroll Clerk		1	
4171	Receptionists & Information Clerks			
	Appointment Clerk	1	2	
	Medical Receptionist	1		
4197	General Office Clerks			
	Clerk, General Office	1		
5137	Sales Clerks, Commodities			
	Grocery Clerk	1		
5174	Advertising Salesperson			
	Outdoor Advertiser			1
6149	Personal Service Occupations, n.e.c.			
	Day Care Worker		1	
8513	Motor Vehicle Fabricating & Assembling Occupations			
	Common Labourer			1
8598	Occupations in Labouring & Other Elemental Work: Product Fabricating, Assembling and Repairing, n.e.c.			
	Factory Labourer			1
9318	Occupations in Labouring & Other Elemental Work, Material-Handling, n.e.c.			
	Packer	1		
		88	79	120

Course:	PRACTICAL NURSING - REFRESHER (3134)
Course Type:	Certificate
Colleges where course offered:	Red River Community College

Course Description:

The Practical Nursing Refresher course is designed to update the skills of Licensed Practical Nurses and to develop knowledge and skills in the nursing process and role and functions of the licensed practical nurse. Theory activities include reading, group discussion, seminars, assignments and considerable individual study using audio-visual aids. Clinical experiences are with patients in either a personal care home or extended care hospital and a general hospital.

Possible employment establishments:

Government
Nursing homes
Hospitals
Clinics

SURVEY DATA FROM 1977 GRADUATES:

Number of responses:	10
Number employed:	9
Number unemployed and seeking work:	Nil
Number not seeking work:	1
Percentage who found jobs in Winnipeg:	44.4
Percentage who found jobs in rural Manitoba:	55.6
Percentage who found jobs outside Manitoba:	Nil
Average weekly (hourly) earnings, 1977 grads:	$140.13 ($5.04)

PRACTICAL NURSING - REFRESHER

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	1977 GRADUATES
3134	Nursing Assistants	
	Licensed Practical Nurse	4
	Practical Nurse	3
4171	Receptionists and Information Clerks	
	Receptionist	1
9519	Printing and Related Occupations, n.e.c.	
	Ticketer	1
		9

Course: COMMUNITY HEALTH NURSING (3131)
Course Type: Certificate
Colleges where course offered: Assiniboine Community College

Course Description:

The course is designed to assist the student in understanding the organization and delivery of health care in the community. The importance of continuity of care is emphasized. The student assesses the needs of individuals in their homes, initiates activities to facilitate healthful living, and assists individuals to utilize available community resources.

Possible Employment Establishments:

- Government
- Hospitals
- Clinics

SURVEY DATA FROM 1977 GRADUATES

Number of responses: 12
Number employed: 12
Number unemployed and seeking work: Nil
Number not seeking work Nil

Percentage who found jobs in Winnipeg: 25.0
Percentage who found jobs in rural Manitoba: 75.0
Percentage who found jobs outside Manitoba: Nil

Average weekly (hourly) earnings, 1977 grads: $315.26 ($7.97)

COMMUNITY HEALTH NURSING

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	1977 Graduates
3130	Supervisors, Nursing Occupations	
	Health Co-ordinator	1
3131	Nurses, Graduate, Except Supervisors	
	Community Health Nurse	1
	Health Nurse	1
	Public Health Nurse	8
	Registered Nurse	1
		12

Course:	DENTAL ASSISTING - CHAIRSIDE (3157)
Course Type:	Certificate
Colleges where course offered:	Red River Community College

Course Description:

A chairside dental assistant works under the supervision of a dentist and functions generally as a "second pair of hands" for the dentist. Utilizing skills to increase the dentist's productivity and efficiency, a skilled dental assistant greatly affects the dental practice, through assisting at the chairside, processing and mounting radiographs, performing sterilization procedures and caring for instruments and equipment, performing laboratory procedures and practice management. This course is a prerequisite to Dental Assisting - Expanded Duty.

Possible Employment Establishments:

Dental Offices

SURVEY DATA FROM 1977 GRADUATES:

Number of responses:	24
Number employed:	21
Number unemployed and seeking work:	1
Number not seeking work:	2
Percentage who found jobs in Winnipeg:	95.2
Percentage who found jobs in rural Manitoba:	4.8
Percentage who found jobs outside Manitoba:	Nil
Average weekly (hourly) earnings, 1977 grads:	$173.94 ($4.39)

DENTAL ASSISTING - CHAIRSIDE

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	1977 GRADUATES
3157	Dental Hygienists, Assistants and Technicians	
	Apprentice Dental Technician	1
	Control Therapist/Dental Assistant	1
	Expanded Chairside Duty Dental Assistant	1
	Expanded Duty Dental Assistant	3
	Dental Assistant	8
	Dental Assistant - Phase II	7
		21

Course:	DENTAL ASSISTING - EXPANDED DUTY (3157)
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College (Winnipeg) Keewatin Community College (The Pas)

Course Description:

Dental Assisting consists of Chairside and Expanded Duty (both of which are separate certificate courses). Dental Assisting - Chairside is a 26 week course which is a prerequisite to Dental Assisting - Expanded Duty. A chairside dental assistant works under the supervision of a dentist and functions generally as a "second pair of hands" for the dentist. Other tasks include: processing and mounting radiographs, performing sterilization procedures for instruments, and performing other business related duties such as maintaining records and charts, sending bills and scheduling appointments. An expanded duty dental assistant performs a number of preventive-oriented procedures in a patient's mouth such as polishing teeth, applying fluoride, and applying plastic sealants. Other duties include making impressions, placing rubber dams and counselling patients or groups in preventive dental education.

Possible Employment Establishments:

Dentists
Government agencies

Dental Clinics
Hospitals

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	127
Number employed:	113
Number unemployed and seeking work:	7
Number not seeking work:	7
Percentage who found jobs in Winnipeg:	58.4
Percentage who found jobs in rural Manitoba:	34.5
Percentage who found jobs outside Manitoba:	7.1
Average weekly (hourly) earnings, 1977 grads:	$170.89 ($4.45)

NOTE: Keewatin Community College
The Dental Auxiliary program trains persons to provide a needed dental service in northern and rural Manitoba for either public health or private practice.

DENTAL ASSISTING - EXPANDED DUTY

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
1174	Personnel and Related Officers			
	Program Administrator		1	
3156	Medical Laboratory Technologists & Technicians			
	Laboratory Technician		1	
3157	Dental Hygienists, Assistants & Technicians			
	Dental Assistant	26	34	36
	Dental Therapist	1		
	Preventative Assistant	1	1	
3159	Other Occupations in Medicine & Health, n.e.c.			
	Pharmacist Assistant			1
4110	Supervisors, Stenographic & Typing Occupations			
	Secretary/Coordinator		1	
4111	Secretaries and Stenographers			
	Secretary, Brokerage	1		
4133	Tellers and Cashiers			
	Teller		1	
4171	Receptionists and Information Clerks			
	Receptionist		1	
5137	Sales Clerks, Commodities			
	Sales Clerk			1
6123	Bartenders			
	Bartender	1		
6133	Houseman/woman			
	Chambermaid			1
8223	Milk Processing & Related Occupations			
	Labourer			1
		30	40	40

Course: **MEDICAL LABORATORY TECHNOLOGY (3156)**
Course Type: Two-Year Diploma
Colleges where course offered: Red River Community College

Course Description:

The Medical Laboratory Technology student learns through academic study and practical experience how to examine specimens by various chemical, microscopic, and bacteriological tests while applying techniques from the sciences of histology, bacteriology, clinical chemistry, haematology, and serology.

Possible Employment Establishments:

- Hospital laboratories
- Research agencies
- Medical clinics
- Some commercial companies

SURVEY DATA FROM 1977 GRADUATES

Number of responses:	54
Number employed:	41
Number unemployed and seeking work:	9
Number not seeking work:	4
Percentage who found jobs in Winnipeg:	75.6
Percentage who found jobs in rural Manitoba:	22.0
Percentage who found jobs outside Manitoba:	2.4
Average weekly (hourly) earnings, 1977 grads:	$198.89 (5.65)

MEDICAL LABORATORY TECHNOLOGY

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	1977 Graduates
3156	Medical Laboratory Technologists and Technicians	
	Lab Technicians	1
	Medical Laboratory Technologist	34
	Medical Laboratory/X-ray Technologist	1
	Registered Medical Laboratory Technologist	1
	Serology Technologist	1
4133	Tellers and Cashiers	
	Cashier	1
6125	Waiters, Hostesses and Stewards, Food & Beverage	
	Waiter/Waitress	1
6143	Barbers, Hairdressers and Related Occupations	
	Beauty Consultant	1
		41

Course:	MEDICAL RADIOLOGICAL DIAGNOSTIC TECHNOLOGY (3155)
Course Type:	Two-Year Diploma
Colleges where course offered:	Red River Community College

Course Description:

Students commence training at the hospital training centre which accepted them. Two months later, the students return to Red River Community College for a five-month period. After successful completion of the college based portion of training, students return to the hospital training centres for the remainder of the two-year program. At the end of the two-year period, and with the hospitals recommendation, the student writes the examination leading to a diploma as Registered Radiological Technician. Some technicians are employed as technical advisors for x-ray equipment and supply manufacturers. Others are engaged in aspects of teaching or research.

Possible Employment Establishments:

X-ray equipment & supply manufacturers

X-ray units
Clinics
Hospitals
Laboratories

SURVEY DATA FROM 1977 GRADUATES:

Number of responses:	25
Number employed:	8
Number unemployed and seeking work:	4
Number not seeking work:	13
Percentage who found jobs in Winnipeg:	87.5
Percentage who found jobs in rural Manitoba:	12.5
Percentage who found jobs outside Manitoba:	NIL
Average weekly (hourly) earnings, 1977 grads:	$229.17 ($5.60)

MEDICAL RADIOLOGICAL DIAGNOSTIC TECHNOLOGY

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	1977 Graduates
3155	Radiological Technologists and Technicians	
	Medical Technologist I (Radiology)	1
	Radiological Technologist (Medical)	3
	X-Ray Technologist	3
4171	Receptionists and Information Clerks	
	Medical Receptionist	1
		8

Course:	NUCLEAR MEDICINE TECHNOLOGY (3155)
Course Type:	Two-Year Diploma
Colleges where course offered:	Red River Community College

Course Description:

The Nuclear Medicine Technology student, through the academic course at the College, and with the practical experience gained in the hospital Nuclear Medicine Department, learns to safely use radioactive materials as biological tracers for the purpose of medical diagnostic testing, becoming proficient in performing static and dynamic organ imaging, organ function studies and "in vitio" procedures including radiometric assays.

Possible Employment Establishments:

Hospitals
Medical Clinics
Some commercial companies

SURVEY DATA FROM 1977 GRADUATES:

Number of responses:	6
Number employed:	4
Number unemployed and seeking work:	1
Number not seeking work:	1
Percentage who found jobs in Winnipeg:	Nil
Percentage who found jobs in rural Manitoba:	Nil
Percentage who found jobs outside Manitoba:	100.0
Average weekly (hourly) earnings, 1977 grads:	$230.00 ($5.89)

NUCLEAR MEDICINE TECHNOLOGY

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	1977 Graduates
3155	Radiological Technologists and Technicians	
	Nuclear Medicine Technologist	4
		4

Course:	CHILD CARE SERVICES (2731)
Course Type:	Two-year Diploma (optional one-year certificate is available)
Colleges Where Course Offered:	Red River Community College

Course Description:

The Child Care Services course prepares individuals for occupations concerned with providing young children with learning experiences that offer appropriate thought stimulation as well as opportunities for physical, emotional and social development. Activities generally include: teaching children to get along without their mother, to associate and play with others and to develop muscle co-ordination and self-assurance; organizing and participating in games; reading to children; providing children with creative experiences through painting, drawing, singing, etc.; maintaining discipline; and directing children in eating, resting and toilet habits.

Possible Employment Establishments:

Day Care centres
Hospitals
Nursery schools

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	52
Number employed:	44
Number unemployed and seeking work:	2
Number not seeking work:	Nil
Percentage who found jobs in Winnipeg:	84.1
Percentage who found jobs in rural Manitoba:	4.5
Percentage who found jobs outside Manitoba:	11.4
Average weekly (hourly) earnings, 1977 grads:	$178.97 ($4.63)

CHILD CARE SERVICES

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
	CHILD CARE SERVICES (1 YEAR)			
2731	**Elementary and Kindergarten Teachers**			
	Day Care Teacher	1		
	Day Care Worker	1		
		2		
	CHILD CARE SERVICES (2 YEAR)			
2331	**Social Workers**			
	Youth Worker	1		
2391	**Educational and Vocational Counsellors**			
	Juvenile Counsellor		1	
2731	**Elementary and Kindergarten Teachers**			
	Child Care Supervisor			1
	Child Care Teacher			1
	Day Care Assistant	2		
	Day Care Supervisor			2
	Day Care Teacher			1
	Day Care Worker	2		1
	Elementary Teacher			1
	Nursery School Teacher	9	5	
	Preschool Teacher			2
	Room Supervisor	1	2	
3137	**Physiotherapists, Occupational and Other Therapists**			
	Child Care Worker		1	5
4131	**Bookkeepers and Accounting Clerks**			
	Finance Agent		1	
4143	**Electronic Data-Processing Equipment Operators**			
	Computer Operator			1
5137	**Sales Clerks, Commodities**			
	Store Clerk		1	
		15	11	15

Course:	SOCIAL SERVICES (2333, 2391, 2399)
Course Type:	Certificate
Colleges Where Course Offered:	Assiniboine Community College

Course Description:

The Social Services course prepares individuals for occupations concerned with helping people with varying needs. The social service worker should display skill and sensitivity in assessing need situations and in assisting individuals and families in making use of available community resources. To this end, the student is trained in both the theoretical aspects of social services and the practical experience of community work. Preference will be given to applicants who have the ability and authority to drive a car as, in many agencies, driving ability is required during field training.

Possible Employment Establishments:

- Senior citizens' homes
- Hospital Social Services
- Rehabilitation agencies
- Correctional institutions
- Foster homes
- Government agencies
- Health & Welfare agencies
- Camps

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	59
Number employed:	44
Number unemployed and seeking work:	2
Number not seeking work:	NIL
Percentage who found jobs in Winnipeg:	31.8
Percentage who found jobs in rural Manitoba:	61.4
Percentage who found jobs outside Manitoba:	6.8
Average weekly (hourly) earnings, 1977 grads:	$190.78 ($4.17)

SOCIAL SERVICES
ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES
1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
2331	Social Workers			
	Community Alcoholism Support Workers			1
	Group Home Counsellor	1		
	Homemaker Co-ordinator			1
	Social Worker	1		
2339	Occupations in Social Work and Related Fields, n.e.c.			
	Activity Worker	1		
	Community Service Worker	1		
2391	Educational and Vocational Counsellors			
	Camp Counsellor	1		
	Counsellor		1	1
	Income Security Counsellor		2	
	Juvenile Counsellor		1	
	Resident Counsellor			1
2399	Other Occupations in Social Sciences and Related Fields, n.e.c.			
	Juvenile Counsellor	2		
	Social Service Worker		1	2
2511	Ministers of Religion			
	Missionary Personnel	1		
2731	Elementary and Kindergarten Teachers			
	Child Care Worker	1		
2791	Community College & Vocational School Teachers			
	Instructor		1	
2799	Other Teaching & Related Occupations, n.e.c.			
	Curriculum Development Officer	1		
3131	Nurses, Graduate, Except Supervisors			
	Psychiatric Nurse			1
3719	Occupations in Sport & Recreation, n.e.c.			
	Assistant Recreation Specialist	1		
4111	Secretaries & Stenographers			
	Administrative Secretary			1
4113	Typists & Clerk-Typists			
	Receptionist	1		
4131	Bookkeepers & Accounting Clerks			
	Accounting Clerk	1		
4141	Office Machine Operators			
	Machine Operator - Clearing Department			1
4151	Production Clerks			
	Assistant Manger	1		
4197	General Office Clerks			
	Office Clerk		1	
	Receptionist		1	

SOCIAL SERVICES (cont.)
ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES
1-YEAR FOLLOWING GRADUATION

		Graduates		
CCDO	GRADUATES' REPORTED JOB TITLES	1975	1976	1977
5130	Supervisors: Sales Occupations, Commodities			
	Assistant Manager			1
5171	Insurance Sales Occupations and Agents, Other			
	Insurance Agent I		1	
5179	Sales Occupations: Services, n.e.c.			
	Service Representative			1
6115	Guards & Related Security Occupations, Other			
	Correctional Officer I			1
6125	Food & Beverage Serving Occupations, Other			
	Cafeteria Helper		1	
6149	Personal Service Occupations, n.e.c.			
	Child Care Worker			5
8796	Inspecting & Testing Occupations, Construction, Except Electrical			
	Construction Inspector		1	
		14	11	18

SECTION II

BUSINESS AND ADMINISTRATIVE
STUDIES DIVISION

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Course:	BUSINESS SKILLS
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College

Course Description:

The Business Skills course prepares individuals for employment in clerical positions such as receptionists, junior accounting and payroll clerks. The course develops basic knowledge and skills in typing, bookkeeping, communication, mathematics, office practice and filing. The course also prepares students for the Clerk Typist course.

Possible Employment Establishments:

- Government offices
- Schools
- Private offices and industries

SURVEY DATA FROM 1977 GRADUATES

Number of responses:	35
Number employed:	21
Number unemployed and seeking work:	7
Number not seeking work:	7
Percentage who found jobs in Winnipeg:	4.8
Percentage who found jobs in rural Manitoba:	90.4
Percentage who found jobs outside Manitoba:	4.8
Average weekly (hourly) earnings, 1977 grads:	$173.33 ($4.54)

BUSINESS SKILLS

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	1977 Graduates
4111	Secretaries and Stenographers	
	Band Secretary	1
	Lawyer's Secretary	1
	Secretary	2
	Secretary-Treasurer	1
	Steno-Clerk/Secretary	1
	Stenographer	1
4113	Typists and Clerk-Typists	
	Clerk Typist	4
	Junior Consular Clerk	1
4131	Bookkeepers and Accounting Clerks	
	Bookkeeper and/or Receptionist	2
	Bookkeeper/Sales Clerk	1
	Secretary/Accountant	1
4171	Receptionists and Information Clerks	
	Secretary/Receptionist	1
4190	Supervisors, Other Clerical & Related Occupations, n.e.c.	
	Office Supervisors	1
4195	Personnel Clerks	
	Personnel Documentation Clerk	1
4197	General Office Clerks	
	Clerk-Accountant	1
8529	Other Fabricating & Assembling Occupations, Metal Products, n.e.c.	
	Production Worker	1
		21

Course:	CLERK TYPIST (4113)
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College Assiniboine Community College Keewatin Community College

Course Description:

The Clerk Typist course prepares individuals for occupations concerned with performing general office duties, most of which involve typing. Activities generally include: compiling and typing reports, bills, application forms, shipping tickets and other data from clerical records; filing, sorting and distributing mail and answering telephones. The responsibilities of a clerk typist may vary according to the office situation. Graduates may find employment as typists, filing clerks and receptionists.

Possible Employment Establishments:

- Government offices
- Schools
- Private businesses and industries

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	156
Number employed:	121
Number unemployed and seeking work:	14
Number not seeking work:	21
Percentage who found jobs in Winnipeg:	59.5
Percentage who found jobs in rural Manitoba:	33.1
Percentage who found jobs outside Manitoba:	7.4
Average weekly (hourly) earnings, 1977 grads:	$143.91 ($3.86)

CLERK TYPIST

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
2731	Elementary & Kindergarten Teachers			
	Christian School Supervisor			1
3139	Nursing, Therapy & Related Assisting Occupations, n.e.c.			
	Homemaker			1
3315	Photographers & Camera Operators, Others			
	Photographers's Assistant			1
4111	Secretaries & Stenographers			
	Administrative Secretary			4
	Legal Secretary	2		2
	Medical Secretary			1
	Receptionist/Legal Secretary			1
	Secretary	2		4
	Stenographer/Receptionist			2
4113	Typists and Clerk-Typists			
	Clerk Typist	2	3	25
	Employee Relations Staff Clerk	1		
	Invoice Typist			1
	Office Clerk	2		3
	Receptionist/Secretary	2		6
	Secretarial Assistant	1		
	Teletype Operator			1
	Typist			4
4131	Bookkeepers & Accounting Clerks			
	Accounts Payable Clerk			1
	Accounts Receivable Clerk	1		
	Auditor	1		
	Clerk A	1		
	Clerk II			1
	Clerk III	1		
	Medical Billing Clerk			1
	Payroll Clerk			1
	Postal Clerk			2
	Secretary/Bookkeeper			3
4133	Tellers & Cashiers			
	Bank Teller			1
	Cashier		1	1
4141	Office Machine Operators			
	Comptometer /Calculator Operater			1
4143	Electronic Data			
	Keypunch Operator			2
	Terminal Operator			1
4155	Stock Clerks & Related Occupations			
	Inventory Control Clerk		1	
	Order Filler			1
	Purchasing Clerk/Expediter			1
4161	Library and File Clerks			
	File Clerk			1
4171	Receptionists & Information Clerks			
	Medical Information Clerk			1
4175	Telephone Operators			
	Switchboard/Admitting Clerk			1
	Telephone Operator			1
4195	Personnel Clerks			
	Personnal Officer	1		

CLERK TYPIST (cont'd)

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates 1975	1976	1977
4197	General Office Clerks			
	Clerk A		1	
	Invoice & Mail Clerk	1		1
	Records Clerk		1	1
5130	Supervisors: Sales Occupations, Commodities			
	Imports Assistant			1
5137	Sales Clerks, Commodities			
	Sales Clerk			2
	Store Clerk			3
5172	Real Estate Sales Occupations, Other			
	Real Estate Consultant			1
5191	Buyers, Wholesale and Retail Trade			
	Buyer's Assistant			1
6125	Food & Beverage Serving Occupations, Other			
	Waiter/Waitress/Cashier			4
6191	Janitors, Charworkers and Cleaners			
	School Custodian			1
7715	Blasting Occupations			
	Blaster (open pit mine)	1		
8563	Sewing Machine Operators, Textile & Similar Materials			
	Machine Operator			1
		19	7	94

Course:	MEDICAL RECORDS TECHNICIAN (4161, 4111)
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College

Course Description:

The Medical Records Technician course prepares individuals for occupations concerned with the preparation, analysis and preservation of health care information required by doctors, hospitals, patients and other agencies. Activities generally include: reviewing clinical records for completeness; coding, indexing and filing records of diagnosis, diseases and treatments; compiling statistics on admissions, births, deaths, transfers and discharges and releasing medical information. Graduates may find employment in hospital medical records departments, clinics and other paramedical agencies.

Possible Employment Establishments:

- Hospitals
- Health services
- Medical libraries
- Universities - Faculties of Medicine and Science
- Medical clinics

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	44
Number employed:	40
Number unemployed and seeking work:	3
Number not seeking work:	1
Percentage who found jobs in Winnipeg:	77.5
Percentage who found jobs in rural Manitoba:	20.0
Percentage who found jobs outside Manitoba:	2.5
Average weekly (hourly) earnings, 1977 grads:	$164.13 ($3.97)

MEDICAL RECORDS TECHNICIAN

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates 1975	Graduates 1976	Graduates 1977
4111	Secretaries & Stenographers			
	Admitting Clerk		1	
	Medical Secretary	6	2	
	Medical Stenographer	3	1	1
4113	Typists & Clerk Typists			
	Clerk Typist			1
	Clerk Typist II			1
	Clerk Typist III	1		
4133	Tellers & Cashiers			
	Bank Teller	1		
4161	Library & File Clerks			
	Medical Library Assistant	1		
	Medical Record Casualty Clerk			1
	Medical Records Stenographer	2	1	
	Medical Records Technician	2	3	10
4171	Receptionist & Information Clerks			
	Lab/X-ray Receptionist			1
	Receptionist			1
		16	8	16

Course: SECRETARIAL SCIENCE (4111)
Course Type: Two-year Diploma
Colleges Where Course Offered: Red River Community College
Assiniboine Community College

Course Description:

The Secretarial Science course prepares individuals for advanced positions in secretarial work as medical secretaries, legal secretaries or managing secretaries. Activities generally include: scheduling appointments; taking dictation; providing callers with information; and relieving employers of all clerical work, and minor administrative and business details. Graduates of secretarial science may find employment in government offices and private business and industries.

Possible Employment Establishments:

- Hospitals
- Banks
- Courts
- Universities, Colleges
- Government offices
- Investment dealers
- Insurance companies
- Realtors
- Law offices
- Other private businesses and industries

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	73
Number employed:	70
Number unemployed and seeking work:	1
Number not seeking work:	2
Percentage who found jobs in Winnipeg:	90.0
Percentage who found jobs in rural Manitoba:	5.7
Percentage who found jobs outside Manitoba:	4.3
Average weekly (hourly) earnings, 1977 grads:	$177.85 ($4.77)

(Note: Students without prior training in Business Education are requested to complete the Stenography course prior to enrolling in the Secretarial Science program.)

SECRETARIAL SCIENCE

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
1133	Administrators in Teaching & Related Fields			
	Education Registrar		1	
1179	Occupations Related to Management & Administration, n.e.c.			
	Administrative Assistant			1
4111	Secretaries & Stenographers			
	Administrative Assistant		3	
	Architectural Secretary			1
	Executive Secretary			5
	Junior Office Clerk		1	
	Legal Assistant/Secretary			1
	Legal Secretary	1	1	2
	Medical Secretary		1	
	Personnel Secretary			1
	Private Secretary			1
	Receptionist Secretary	1		3
	Secretary	17	8	4
	Secretary-Accounts Receivable			1
	Secretary/Assistant			1
	Stenographer	5	1	
4113	Typists & Clerk-Typist			
	Clerk Typists		2	1
4131	Bookkeepers & Accounting Clerks			
	Accounts Clerk	2		
	Bookkeeper/Secretary	1		
4143	Electronic Data-Processing Equipment Operators			
	Magnetic Electric Key Tape Operator		1	
4195	Personnel Clerks			
	Grants & Personnel Clerk	1		
6120	Supervisors, Food & Beverage Preparation & Related Service Occupations			
	Sales & Catering Co-ordinator			1
		28	19	23

Course:	STENOGRAPHY (4111)
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College Assiniboine Community College Keewatin Community College

Course Description:

The Stenography course prepares individuals for occupations concerned with taking dictation by shorthand and transcribing data in typewritten form. Activities generally include: recording dictated letters or other material in shorthand; typing data from shorthand notes, written drafts, tape recordings, or other sources; cutting stencils; and assembling and filing correspondence. Graduates may find employment as stenographers in small offices or in steno pools in large offices, or may apply for admission into Secretarial Science.

Possible Employment Establishments:

- Governments
- Insurance companies
- Law Offices
- Courts
- Chartered Accountants offices
- Banks
- Other private business and industries

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	122
Number employed:	104
Number unemployed and seeking work:	7
Number not seeking work:	11
Percentage who found jobs in Winnipeg:	67.3
Percentage who found jobs in rural Manitoba:	29.8
Percentage who found jobs outside Manitoba:	2.9
Average weekly (hourly) earnings, 1977 grads:	$156.78 ($4.29)

STENOGRAPHY

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
1137	Sales & Advertising Management Occupations			
	Sales Supervisor	1		
1179	Occupations Related to Management & Administration, n.e.c.			
	Administrative Associate			1
4111	Secretaries & Stenographers			
	Assistant Secretary/Treasurer			1
	Business Clerk		1	
	Clerk Stenographer			1
	Confidential Secretary			1
	Executive Secretary			1
	Government Stenographer			1
	Legal Secretary	1		5
	Legal Stenographer	2		
	Medical Stenographer	1		
	Personal Advisor's Secretary			1
	Personal Secretary			1
	Secretary	16	6	
	Secretary - B A S O			1
	Secretary/Computer Operator			1
	Secretary/Receptionist		1	3
	Stenographer	7	4	5
	Stenographer/Receptionist	1	1	1
	Stenographer/Secretary			1
4113	Typists & Clerk-Typist			
	Administrative Secretary			3
	Clerk Typist	3	1	2
	Clerk Typist II			2
	Computer			1
	Dictaphone Typist	1		
	Office Clerk	1		
	Steno-Typist			2
	Teletypist			1
4131	Bookkeepers & Accounting Clerks			
	Bookkeeper/Secretary	2		
	Bookkeeper/Stenographer			1
4133	Tellers & Cashiers			
	Assistant Cashier			1
	Bank Teller			1
	Cashier			1
4143	Electronic Data-Processing Equipment Operators			
	Computer Operator			1
4171	Receptionists & Information Clerks			
	Receptionist	1		3
4199	Other Clerical & Related Occupations, n.e.c.			
	Casualty Unit Clerk			1
5137	Sales Clerks, Commodities			
	Sales Clerk - Jewelry			1
5199	Other Sales Occupations, n.e.c.			
	Film Booker		1	
6125	Food & Beverage Serving Occupations, Other			
	Waiter/Waitress			1
9135	Railway Transport Operating Support Occupations			
	Car Checker		1	
		—	—	—
		37	16	47

Course:	CLERICAL BOOKKEEPING AND OFFICE MACHINES (4141, 4131)
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College Assiniboine Community College

Course Description:

The Clerical Bookkeeping and Office Machines course prepares individuals for occupations concerned with computing, classifying and recording data to keep sets of financial records and with operating bookkeeping machines used to record financial transactions. Activities generally include: posting entries in ledgers; balancing books; compiling reports; operating accounting machines and typing. Graduates may find employment in the accounting departments of business firms in accounts receivable, accounts payable, payroll, invoice or data processing, bookkeeping or accounting equipment operation.

Possible Employment Establishments:

- Government offices
- Colleges
- Private businesses and industries

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	140
Number employed:	121
Number unemployed and seeking work:	5
Number not seeking work:	14
Percentage who found jobs in Winnipeg:	65.3
Percentage who found jobs in rural Manitoba:	31.4
Percentage who found jobs outside Manitoba:	3.3
Average weekly (hourly) earnings, 1977 grads:	$157.76 ($4.15)

CLERICAL BOOKKEEPING & OFFICE MACHINES

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
2349	Occupations in Law & Jurisprudence, n.e.c.			
	Land Titles Clerk			1
2797	Instructors & Training Officers, n.e.c.			
	Driving Instructor			1
2799	Other Teaching & Related Occupations, n.e.c.			
	Teacher's Aide			1
3135	Nursing Aides & Orderlies			
	Nurse's Aide		1	1
	Physician's Medical Assistant			1
4111	Secretaries & Stenographers			
	Administrative Secretary II			2
	Pricing Clerk/Secretary			1
	Receptionist/Secretary			1
	Secretary	5		
4113	Typists & Clerk-Typist			
	Clerk-Typist	5		1
	Clerk Typist/Secretary			1
4131	Bookkeepers & Accounting Clerks			
	Accounting Clerk			6
	Accounts Receivable Clerk			1
	Bookkeeper	4	3	4
	Bookkeeper/Typist			1
	Clerk, General, Accounting & Bookkeeping	11	8	
	Finance Agent			1
	Junior Accountant	2	1	1
	Medical Billing Clerk			1
	Payroll Clerk			1
	Sales Audit Clerk			1
	Secretary/Bookkeeper	4	2	4
4133	Tellers & Cashiers			
	Bank Teller	1		1
	Cashier/Bookkeeper			1
	Cashier/Receptionist	1		
	Clerk			1
	Credit Union Accountant			1
4139	Bookkeeping Account-Recording & Related Occupations, n.e.c.			
	Credit Clerk	1		
4141	Office Machine Operators			
	Bookkeeping Machine Operator		1	1
	Calculator 2	1		
4143	Electronic Data-Processing Equipment Operators			
	Computer Operator	2		
	Keypunch Operator	2	1	
	Paper Tape Puncher			1
	Remote Terminal Operator	1		
4153	Shipping & Receiving Clerks			
	Shipping Clerk		1	
4155	Stock Clerks and Related Occupations			
	Inventory Control Clerk			1
	Inventory/Monetary Controller			1
4171	Receptionist & Information Clerks			
	Receptionist			2
4177	Messengers			
	Courier Driver			1
4197	General Office Clerks			
	Bank Clerk			1
	Central Registry Clerk			1
	Investment Clerk		1	
	Office Clerk		2	5

CLERICAL BOOKKEEPING & OFFICE MACHINES (cont'd)

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
4199	Other Clerical & Related Occupations, n.e.c.			
	Order Clerk	1		
5130	Supervisors: Sales Occupations, Commodities			
	Manager Trainee			1
5137	Sales Clerks, Commodities			
	Store Clerks			1
5199	Other Sales Occupations, n.e.c.			
	Retail Agent/Leasing Assistant			1
6125	Food & Beverage Serving Occupations, Other			
	Waiter/Waitress/Bartender			1
6143	Barbers, Hairdressers & Related Occupations			
	Barber/Stylist			1
6149	Personal Service Occupations, n.e.c.			
	House Parent			1
8563	Sewing Machine Operators, Textile & Similar Materials			
	Sewing Machine Operator			3
		41	21	59

Course:	BUSINESS ACCOUNTANCY (4131)
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College Keewatin Community College

Course Description:

The Business Accountancy course prepares individuals for occupations concerned with performing a variety of calculating, posting and recording duties. Activities generally include: computing, classifying and recording data to keep sets of financial records; verifying the accuracy of records related to payments, receipts and other transactions; posting entries in ledgers; balancing books and compiling reports. Graduates may find employment as bookkeepers or accounting clerks in a variety of businesses.

Possible Employment Establishments:

Accounting firms
Government offices
Insurance companies
Hospitals
Banks
Other private businesses and industries

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	156
Number employed:	134
Number unemployed and seeking work:	13
Number not seeking work:	9
Percentage who found jobs in Winnipeg:	84.3
Percentage who found jobs in rural Manitoba:	9.0
Percentage who found jobs outside Manitoba:	6.7
Average weekly (hourly) earnings, 1977 grads:	$170.45 ($3.08)

BUSINESS ACCOUNTANCY

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
1131	Management Occupations: Natural Sciences, Engineering and Mathematics			
	Data Processing Manager			1
1135	Financial Management Occupations			
	Credit Manager	1		
1149	Other Managers and Administrators, n.e.c.			
	Office Manager		1	2
1171	Accountants, Auditors and Other Financial Officers			
	Accounting Manager			1
2163	Draughtsmen/woman			
	Drafting Aide		1	
2333	Occupations in Welfare and Community Services			
	Government Project Manager			1
4111	Secretaries and Stenographers			
	Secretary		2	1
4113	Typists and Clerk-Typists			
	Receptionist/Bookkeeper	1		
	Secretary/Bookkeeper	1		
4131	Bookkeepers and Accounting Clerks			
	Accountant	2	2	5
	Accounting Clerk	17	14	19
	Auditing Technician	2		
	Bookkeeper/Accountant	3	1	5
	Day Care Centre Manager			1
	Financial Agent		1	
	Junior Accountant	3	3	3
4133	Tellers and Cashiers			
	Bank Teller	3		1
	Cashier			1
	Gas Pump Cashier			1
4135	Insurance, Bank and Other Finance Clerks			
	Evaluation Clerk			1
	Rate Clerk	1		
4139	Bookkeeping, Account-Recording and Related Occupations, n.e.c.			
	Senior Traffic Clerk			1
4153	Shipping and Receiving Clerks			
	Shipper		1	2
4155	Stock Clerks and Related Occupations			
	Purchasing and Inventory Clerk			1
	Warehouse Worker			1
4173	Mail and Postal Clerks			
	Mail Room Clerk		1	
4191	Collectors			
	Collection Clerk			2
4194	Hotel Clerks			
	Hotel Desk Clerk			1

BUSINESS ACCOUNTANCY (cont'd)

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
4197	General Office Clerks			
	Input Data Clerk			1
	Office Clerk			1
	Order Clerk		1	
	Restaurant General Clerk		1	
5130	Supervisors: Sales Occupations, Commodities			
	Department Manager		1	
	Record Store Manager			1
5131	Technical Salesperson and Related Advisers			
	Salesperson		1	
5135	Salespersons, Commodities, n.e.c.			
	Automobile Partsperson		1	1
5137	Sales Clerks, Commodities			
	Grocery Clerk		1	
5171	Insurance Sales Occupations and Agents			
	Salesperson - Underwriter		1	
5193	Route Driver			
	Soft Drink Merchandiser	1		
6120	Supervisors, Food and Beverage Preparation and Related Service Occupations			
	Assistant Manager, Waiter/Waitress		1	
6121	Chefs and Cooks			
	Cook's Helper			1
6125	Food and Beverage Serving Occupations			
	Waiter/Waitress		1	
6141	Funeral Directors, Embalmers & Related Occupations			
	Prearrangement Counsellor			1
7115	Crop Farmers			
	Farmer		1	
8335	Welding and Flame Cutting Occupations			
	Spot Welder, Tinsmith		1	
8533	Electrical and Related Equipment Installing and Repairing Occupations, n.e.c.			
	Tool Fitter	1		
8599	Other Product Fabricating, Assembling and Repairing Occupations, n.e.c.			
	Factory Worker			1
8799	Other Construction Trades Occupations, n.e.c.			
	Elevator Mechanic		1	
9315	Material - Handling Equipment Operators, n.e.c.			
	Stack Operator		1	
		36	40	58

Course:	BUSINESS ADMINISTRATION (1179)
Course Type:	Two Year Diploma
Colleges Where Course Offered:	Red River Community College Assiniboine Community College

Course Description:

The Business Administration course prepares individuals for occupations concerned with carrying out activities directly related to management and administration in government, industry, or other organizations. There are four broad categories of management: personnel management, technical production management, financial management and commercial management. The duties and responsibilities of a graduate vary greatly according to the administrative position and type of business.

Possible Employment Establishments:

- Governments
- Insurance companies
- Banks
- Department stores
- Investment dealers
- Other private businesses and industries

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	317
Number employed:	277
Number unemployed and seeking work:	14
Number not seeking work:	26
Percentage who found jobs in Winnipeg:	73.6
Percentage who found jobs in rural Manitoba:	13.4
Percentage who found jobs outside Manitoba:	13.0
Average weekly (hourly) earnings, 1977 grads:	$220.44 ($4.72)

BUSINESS ADMINISTRATION

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
1113	Government Administrators			
	Government Administration	1		
1116	Inspectors & Regulatory Officers, Government			
	Government Inspector		1	
1130	General Managers and Other Senior Officials			
	General Manager	1	3	1
1135	Financial Management			
	Finance Management	4	3	6
1136	Personnel and Industrial Relations Management Occupations			
	Employee Benefits Consultant Trainee			1
1137	Sales & Advertising Management Occupations			
	Sales and Advertising Management	1	2	1
1141	Purchasing Management Occupations			
	Purchasing Management	2	2	2
1142	Services Management Occupations			
	Body Shop Manager			1
1143	Production Management Occupations			
	Production Management	1	1	
1149	Other Managers and Administrators, n.e.c.			
	Administrator	3		7
1171	Accountants, Auditors & Other Financial Officers			
	Accountant, Auditor	8		18
1179	Occupations Related to Management and Administration, n.e.c.			
	Management, Administration	1	4	5
2165	Architectural & Engineering Technologists and Technicians			
	Engineering Technician	1		
	Estimator - Structural Steel			1
2311	Economists			
	Economist		1	
2739	Elementary and Secondary School Teaching and Related Occupations, n.e.c.			
	Elementary and Secondary Teacher	1		
3159	Other Occupations in Medicine & Health, n.e.c.			
	Radiology Assistant			1
4111	Secretaries and Stenographers			
	Secretary			1
	Stenographer			1
	Stenographer/Receptionist			1
4130	Supervisors, Bookkeeping, Account-Recording and Related Occupations			
	Bookkeeping, Account-Recording Supervisor	2		8
4131	Bookkeepers and Accounting Clerks			
	Bookkeeper, Accounting Clerk	4	21	16

BUSINESS ADMINISTRATION (cont'd)
ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES
1-YEAR FOLLOWING GRADUATION

		Graduates		
CCDO	GRADUATES' REPORTED JOB TITLES	1975	1976	1977
4133	Tellers and Cashiers			
	Bank Trainee			1
4135	Insurance, Bank & Other Finance Clerks			
	Insurance, Bank and Finance Clerk		6	2
4150	Supervisors: Material Recording, Scheduling and Distributing Occupations			
	Supervisor, Material Recording	1	1	
4159	Material Recording, Scheduling and Distributing Occupations, n.e.c.			
	Service and Warranty Advisor			1
4169	Library, File and Correspondence Clerks and Related Occupations, n.e.c.			
	Library, File & Correspondence Clerks		1	1
4170	Supervisors: Reception, Information, Mail and Message Distribution Occupations			
	Supervisory Letter Carrier			1
4173	Mail and Postal Clerks			
	Mail and Postal Clerk		1	
4190	Supervisors, Other Clerical & Related Occupations, n.e.c.			
	Clerical Supervisor	1		
4191	Collectors			
	Collector		1	2
4192	Adjusters, Claim			
	Adjuster	1	10	1
4197	General Office Clerks			
	General Office Clerk	1	4	1
4199	Other Clerical and Related Occupations, n.e.c.			
	Credit Supervisor			1
5130	Supervisors: Sales Occupations, Commodities			
	Supervisor, Sales	3	6	13
5133	Commercial Travellers			
	Commercial Traveller	3	1	1
5135	Salesperson, Commodities, n.e.c.			
	Salesperson	1	1	
5137	Sales Clerks, Commodities			
	Sales Clerk	1	1	2
5149	Sales Occupations, Commodities, n.e.c.			
	Sales	1		
5170	Supervisors: Sales Occupations, Services			
	Supervisor, Sales, Service	1		
5171	Insurance Sales Occupations and Agents			
	Insurance Salesperson	2		2
5172	Real Estate Sales Occupations			
	Real Estate Salesperson		2	2

BUSINESS ADMINISTRATION (cont'd)

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
5174	Advertising Sales Occupations			
	Advertising Salesperson		1	
5191	Buyers, Wholesale and Retail Trade			
	Buyer, Wholesale and Retail Trade		1	
6111	Fire-Fighting Occupations			
	Fire-fighter	1		1
6120	Supervisors, Food and Beverage Preparation and Related Service Occupations			
	Restaurant Manager			3
6121	Chefs and Cooks			
	Short Order Cook			1
6125	Food and Beverage Serving Occupations			
	Waiter/Waitress		1	
7719	Mining and Quarrying Including Oil and Gas Field Occupations, n.e.c.			
	Long Hole Driller			1
8510	Foreman/woman, Fabricating and Assembling Occupations, Metal Products, n.e.c.			
	Swing Hand			1
8529	Other Fabricating and Assembling Occupations, Metal Products, n.e.c.			
	Shopworker			1
8581	Motor-Vehicle Mechanics and Repairers			
	Motor-Vehicle Mechanic		1	
8583	Rail Transport Equipment Mechanics & Repairers			
	Rail Transport Equipment Mechanic		1	
8711	Excavating, Grading and Related Occupations			
	Evacuators and Graders		1	1
8715	Railway Section Workers & Track Workers			
	Railway Sectioners and Trackperson		1	
8782	Brick & Stone Masons and Tile Setters			
	Brick and Stone Mason		1	
8791	Pipefitting, Plumbing & Related Occupations, n.e.c.			
	Pipefitting, Plumbing		1	
8798	Occupations in Labouring and Other Elemental Work, Other Construction Trades			
	Construction Worker		1	
		47	83	111

Course:	HOTEL AND RESTAURANT ADMINISTRATION (1142)
Course Type:	Two-Year Diploma
Colleges Where Course Offered:	Red River Community College

Course Description:

The Hotel and Restaurant Administration course prepares individuals for managerial and supervisory positions in the hotel/motel and restaurant industry. Supervisory activities in hotels generally include: directing and coordinating services and activities such as lodging, food, beverage, personnel, sales, accounting, publicity, banquet and convention facilities, implementing policies on matters such as credit allowances, etc. Graduates may find employment as front desk supervisors, coffee shop managers or sales representatives, and be responsible for any one or more of the above activities. Similarly, supervisory opportunities are available in restaurants, private clubs and catering services. Activities may include: negotiating arrangements with clients for use of the facilities; planning and directing dining room, bar and banquet operation; establishing food policies, etc.

Possible Employment Establishments:

Hotels
Restaurants
Private clubs

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	25
Number employed:	22
Number unemployed and seeking work:	2
Number not seeking work:	1
Percentage who found jobs in Winnipeg:	72.7
Percentage who found jobs in rural Manitoba:	NIL
Percentage who found jobs outside Manitoba:	27.3
Average weekly (hourly) earnings, 1977 grads:	$193.60 ($4.54)

HOTEL AND RESTAURANT ADMINISTRATION

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
1142	Service Management Occupations			
	Hotel Management Trainee			1
	Maitre d'	1		
1149	Other Managers and Administrators, n.e.c.			
	General Manager	1		
2391	Educational and Vocational Counsellors			
	Youth Hostel Worker			1
4113	Typists and Clerk-Typists			
	Receptionist/Secretary			1
4131	Bookkeepers and Accounting Clerks			
	Revenue Clerk		1	
4193	Travel Clerks, Ticket, Station & Freight Agents			
	Tour Coordinator			1
5172	Real Estate Sales Occupations			
	Realtor	1		
5177	Business Services Sales Occupations			
	Sales Representative (Conventions)		1	
5193	Route Driver			
	Mobile Truck Trainee			1
6120	Supervisors, Food and Beverage Preparation and Related Service Occupations			
	Assistant Manager, Beverage Room	1	1	
	Assistant Purchasing Manager			1
	Banquet Manager			1
	Dining Room Supervisor			1
	Restaurant Manager	1	1	
	Room Service Manager			1
6130	Supervisors, Occupations in Lodging and Other Accommodations			
	Executive Houseman/woman			1
8334	Metalworking-Machine Operators, n.e.c.			
	Labourer - Iron Works			1
9173	Taxi Drivers and Chauffeurs			
	Cab Driver	1		
9179	Motor Transport Operating Occupations, n.e.c.			
	Taxi Dispatcher	1		
		7	4	11

Course:	COMPUTER ANALYST/PROGRAMMER (2183)
Course Type:	Two-year Diploma
Colleges Where Course Offered:	Red River Community College

Course Description:

The Computer Analyst/Programmer course prepares individuals for occupations concerned with planning, implementing and controlling electronic data-processing services and programming computer systems. Activities generally include: analyzing a business problem, writing computer programs and providing advice on availability and use of electronic data-processing resources and capabilities. Employment opportunities exist in diversified areas such as scientific research, communications and business accounting.

Possible Employment Establishments:

- Computer service companies
- Governments
- Education institutions
- Insurance companies
- Accountants and management consultants
- Other private businesses and industries

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	81
Number employed:	79
Number unemployed and seeking work:	1
Number not seeking work:	1
Percentage who found jobs in Winnipeg:	93.7
Percentage who found jobs in rural Manitoba:	NIL
Percentage who found jobs outside Manitoba:	6.3
Average weekly (hourly) earnings, 1977 grads:	$225.28 ($5.95)

COMPUTER ANALYST/PROGRAMMER

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
1131	Management Occupations: Natural Sciences, Engineering and Mathematics			
	Branch Manager		1	
	Data Processing Manager			1
2183	Systems Analysts, Computer Programmers and Related Occupations			
	Applications Programmer		1	
	Application Programmer/Analyst			1
	Computer Programmer	10	2	16
	Computer Programmer/Analyst	7	10	4
	Computer Programmer/Operator			1
	Data Management Technician			1
	Group Systems Analyst			1
	Intermediate Computer Programmer	1		
	Junior Programmer	2	3	
	Management Consultant	1		
	Senior Consultant - Computers			1
	Senior Programmer			1
	Systems Analyst	2	2	1
2791	Community College & Vocational School Teachers			
	Computer Programming Instructor		1	
3135	Nursing Aides and Orderlies			
	Nursing Home Orderly			1
4113	Typists and Clerk-Typists			
	Clerk Typist	1		
4133	Tellers and Cashiers			
	Teller	1		
4141	Office Machine Operators			
	Proof Machine Operator			1
4143	Electronic Data-Processing Equipment Operators			
	Computer Operator II			1
5133	Commercial Travellers			
	Food Salesperson		1	
5137	Sales Clerks, Commodities			
	Food Clerk			1
		25	21	32

Course: COMMERCIAL AND INDUSTRIAL SALES (5133)
Course Type: Certificate
Colleges Where Course Offered: Red River Community College

Course Description:

The Commercial and Industrial Sales course prepares individuals for occupations concerned with selling commodities on a wholesale basis in an allotted geographical area to wholesale, retail, industrial, professional or other establishments. Activities generally include: soliciting orders from established clientele; securing new customers; showing samples or catalogue illustrations of products to prospective buyers; explaining the merit of the product; quoting prices; arranging delivery schedules and resolving customer complaints. Students who obtain a certificate in Basic Salesmanship are generally employed in areas involved in selling, renting and demonstrating goods and services.

Possible Employment Establishments:

- Wholesale distributors
- Investment companies
- Manufacturers
- Food industries
- Other private businesses and industries

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	50
Number employed:	47
Number unemployed and seeking work:	1
Number not seeking work:	2
Percentage who found jobs in Winnipeg:	87.2
Percentage who found jobs in rural Manitoba:	4.3
Percentage who found jobs outside Manitoba:	8.5
Average weekly (hourly) earnings, 1977 grads:	$267.62 ($6.57)

NOTE: Successful completion of Terms I and II leads to a certificate of attainment in Basic Salesmanship; successful completion of Term III leads to a certificate of attainment in Commercial and Industrial Sales.

COMMERCIAL AND INDUSTRIAL SALES

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
1130	General Managers & Other Senior Officials			
	Industrial Regional Manager			1
	Vice-President		1	
1137	Sales and Advertising			
	Sales Manager			1
1173	Organization and Methods Analysts			
	Management Consultant	1		
1175	Purchasing Officers and Buyers, Except Wholesale and Retail Trade			
	Purchasing Agent	1		
1179	Occupations Related to Management and Administration, n.e.c.			
	Field Marketing Representative		2	
4194	Hotel Clerks			
	Hotel Desk Clerk		1	
5130	Supervisors: Sales Occupations, Commodities			
	Assistant Manager		1	
	Managing Supervisor	1		
5131	Technical Salesperson and Related Advisers			
	Construction Equipment Sales Trainee			1
	Sales Representative	1	1	2
5133	Commercial Travellers			
	Account Representative			1
	Sales Representative	5	4	8
5135	Salespersons, Commodities, n.e.c.			
	Car Salesperson	1		
	Drapery Salesperson			1
	Partsperson			1
	Salesperson - Furniture			1
5137	Sales Clerks, Commodities			
	Grocery Store Clerk		1	
5172	Real Estate Sales Occupations			
	Real Estate Salesperson		1	
5177	Business Services Sales Occupations			
	Sales Representative	1		1
6120	Supervisors, Food and Beverage Preparation and Related Service Occupations			
	Restaurant Manager			1
	Restaurant Owner		1	
8711	Excavating, Grading & Related Occupations			
	Gradeperson	1		
		12	13	19

Course:	**BASIC SALESMANSHIP**
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College

Course Description:

The Basic Salesmanship certificate is issued to individuals who complete only two of the three terms of the Commercial and Industrial Sales course. Terms I and II provide the fundamental training required for a career in basic sales. The third term develops the basic concepts further by applying them at an advanced level of skill building. One week of in-business experience is included in each term. Students who obtain a certificate in Basic Salesmanship are generally employed in areas involved in selling, renting and demonstrating goods and services.

Possible Employment Establishments:

- Wholesale distributors
- Investment companies
- Manufacturers
- Food industries
- Other private businesses and industries

SURVEY DATA FROM 1977 GRADUATES

Number of responses:	4
Number employed:	4
Number unemployed and seeking work:	NIL
Number not seeking work:	NIL
Percentage who found jobs in Winnipeg:	25.0
Percentage who found jobs in rural Manitoba:	50.0
Percentage who found jobs outside Manitoba:	25.00
Average weekly (hourly) earnings, 1977 grads:	$169.00 ($6.85)

BASIC SALESMANSHIP

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	1977 Graduates
1115	Postmasters Postmaster	1
4172	Mail Carriers Mail Carrier	1
5133	Commercial Travellers Will-Call Representative	1
5135	Salespersons, Commodities Sales Promoter	1
		4

SECTION III

APPLIED ARTS DIVISION

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Course:	BARBERING (6143)
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College

Course Description:

The Barbering course prepares individuals for occupations concerned with cutting and styling men's hair. Activities generally include: cutting, trimming, styling, permanent waving, colouring and blow-drying hair, trimming and shaping beards and moustaches, performing facial and scalp conditioning, and recommending and fitting hairpieces. Graduates who complete one year of experience in a barber or style shop automatically qualify for a Journeyman's License. After another two years of experience individuals may apply for a Master's License which allows them to own and operate a shop.

Possible Employment Establishments:

- Barbering and hairstyling shops
- Vocational schools

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	22
Number employed:	21
Number unemployed and seeking work:	NIL
Number not seeking work:	NIL
Percentage who found jobs in Winnipeg:	71.4
Percentage who found jobs in rural Manitoba:	28.6
Percentage who found jobs outside Manitoba:	NIL
Average weekly (hourly) earnings, 1977 grads:	$189.88 ($4.04)

BARBERING

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
2733	Secondary School Teachers Teacher, Vocational	1		
6143	Barbers, Hairdressers and Related Occupations Hair Stylist	5	6	9
		6	6	9

Course:	COSMETOLOGY/HAIRDRESSING (6143)
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College Assiniboine Community College Keewatin Community College

Course Description:

The Cosmetology/Hairdressing course prepares individuals for occupations concerned with styling hair and performing other beauty services for women. Activities generally include: cutting, trimming, styling, permanent waving, colouring, rolling and blow-drying hair, and performing facial conditioning treatments, and manicures. Graduates may find employment in any of the following occupations: hair stylist, hair colouring technician, permanent waving technician, scalp and hair specialist, facial expert, make-up artist and manicurist. Graduates are required to write a government regulated examination to receive a Professional Operator's License. After working in a salon for two years, individuals are eligible to apply for a Salon License which entitles them to own and operate a shop.

Possible Employment Establishments:

Hairdressing salons
Nursing homes

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	82
Number employed:	62
Number unemployed and seeking work:	11
Number not seeking work:	9
Percentage who found jobs in Winnipeg:	27.4
Percentage who found jobs in rural Manitoba:	53.2
Percentage who found jobs outside Manitoba:	19.4
Average weekly (hourly) earnings, 1977 grads:	$139.40 ($3.63)

COSMETOLOGY/HAIRDRESSING

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
3135	Nursing Aides and Orderlies			
	Nursing Assistant I	1		
3139	Nursing, Therapy and Related Assisting Occupations, n.e.c.			
	Sitter/Attendant		1	
3152	Dietitians and Nutritionists			
	Dietary Aide	1		
4133	Tellers and Cashiers			
	Store Cashier			1
4193	Travel Clerks, Ticket, Station & Freight Agents			
	Ticket Clerk			1
4197	General Office Clerks			
	Office Clerk	1		
5137	Sales Clerk, Commodities			
	Food Clerk		1	
6119	Protective Service Occupations, n.e.c.			
	Life Guard			1
6125	Food and Beverage Serving Occupations			
	Waiter/Waitress		1	
6143	Barbers, Hairdressers and Related Occupations			
	Beauty Counsellor			1
	Cosmetician			2
	Cosmetician (hairdresser)	3	3	
	Hair Stylist	12	9	12
	Salon Manager	4	1	1
	Salon Owner			3
9135	Railway Transport Operating Support Occupations			
	Car Control Clerk			1
		22	16	23

Course: **CHEF TRAINING (6121)(6120)**
Course Type: Certificate
Colleges Where Course Offered: Red River Community College

Course Description:

The Chef Training course is designed to provide the basic practical training needed to fulfill the requirements of industry. Theory is geared to cover the essentials and provides sufficient information to allow students to upgrade and advance to other parts of the food services field. Students have a certain amount of freedom in suggesting topics for their work in Chef Training. Being part of a huge, ever-expanding service industry and being among the nation's biggest employers, this field provides not only a high level of employment, but also a great variety of positions and mobility.

Possible Employment Establishments:

- Clubs
- Lodges
- Small and large stores
- Chain stores
- Catering companies
- Resorts
- Restaurants
- Institutions
- Specialty Houses

SURVEY DATA FROM 1977 GRADUATES

Number of responses:	3
Number employed:	3
Number unemployed and seeking work:	NIL
Number not seeking work:	NIL
Percentage who found jobs in Winnipeg:	100.0
Percentage who found jobs in rural Manitoba:	NIL
Percentage who found jobs outside Manitoba:	NIL
Average weekly (hourly) earnings, 1977 grads:	$218.33 ($5.56)

CHEF TRAINING

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	1977 Graduates
6120	Supervisors, Food and Beverage Preparation and Related Service Occupations	
	Chef	1
6121	Chefs and Cooks	
	Night Saucier	1
	Second Cook	1
		3

Course:	COMMERCIAL COOKING (6121)
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College Keewatin Community College

Course Description:

The Commercial Cooking course prepares individuals for occupations concerned with preparing, seasoning and cooking, by appropriate methods, foodstuffs such as meat, vegetables and desserts. Activities generally include: estimating food requirements; obtaining, measuring and mixing food ingredients; regulating temperature of cooking equipment; baking, roasting, broiling and steaming food; seasoning; carving meat; portioning food on serving plates; and garnishing.

Possible Employment Establishments:

- Restaurants
- Hotels
- Railways
- Institutions
- Catering services
- Camps

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	19
Number employed:	10
Number unemployed and seeking work:	4
Number not seeking work:	5
Percentage who found jobs in Winnipeg:	50.0
Percentage who found jobs in rural Manitoba:	30.0
Percentage who found jobs outside Manitoba:	20.0
Average weekly (hourly) earnings, 1977 grads:	$172.25 ($4.56)

COMMERCIAL COOKING

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
3135	Nursing Aides and Orderlies			
	Nurse's Aide			1
3330	Producers and Directors, Performing and Audiovisual Arts			
	Film Editor			1
6121	Chefs and Cooks			
	Cook		1	3
	Institutional Cook			1
	Third Cook			1
6191	Janitors, Charworkers and Cleaners			
	Cleaner			1
8213	Baking, Confectionary Making and Related Occupations			
	Baker's Helper	1		
		1	1	8

Course:	COMMERCIAL BAKING (8013)
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College

Course Description:

The Commercial Baking course prepares individuals for occupations concerned with preparing ingredients and baking breads, cakes, cookies, pies and specialty foods according to recipes. Activities generally include: obtaining, measuring and mixing ingredients; shaping dough; regulating oven temperatures; and cleaning and adjusting machines and equipment. Graduates begin their employment as bakers' helpers and advance to positions as competent tradespeople within approximately one year.

Possible Employment Establishments:

Food manufacturers
Baking including bakeries in food store chains

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	21
Number employed:	16
Number unemployed and seeking work:	4
Number not seeking work:	1
Percentage who found jobs in Winnipeg:	75.0
Percentage who found jobs in rural Manitoba:	25.0
Percentage who found jobs outside Manitoba:	NIL
Average weekly (hourly) earnings, 1977 grads:	$198.96 ($4.98)

COMMERCIAL BAKING

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
3135	Nursing Aides and Orderlies			
	Nurse's Aide			1
4155	Store Clerks and Related Occupations			
	Warehouse Personnel			1
6115	Guards and Related Security Occupations			
	Security Officer		1	
6121	Chefs and Cooks			
	Assistant Cook			2
6125	Food and Beverage Serving Occupations			
	Dining Room Assistant			1
8210	Foremen/women: Food, Beverage and Related Processing Occupations			
	Bakery Supervisor			1
8213	Baking, Confectionary Making & Related Occupations			
	Baker			3
	Baker's Helper			2
	Bakery Manager	1		
	Pastry Baker	1	1	1
		2	2	12

Course:	MEAT CUTTING (8215)
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College

Course Description:

The Meat Cutting course prepares individuals for occupations concerned with cutting, tying, trimming and grinding various types of meat, fish and poultry. Activities include: setting up counter displays, weighing and wrapping meat and arranging and wrapping freezer orders. After gaining experience, meat cutters may find employment as meat graders, government inspectors and in rural business.

Possible Employment Establishments:

Grocery stores
Meat stores
Meat processors and packers

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	19
Number employed:	19
Number unemployed and seeking work:	NIL
Number not seeking work:	NIL
Percentage who found jobs in Winnipeg:	57.9
Percentage who found jobs in rural Manitoba:	36.8
Percentage who found jobs outside Manitoba:	5.3
Average weekly (hourly) earnings, 1977 grads:	$219.55 ($5.19)

MEAT CUTTING

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
5130	Supervisors: Sales Occupations, Commodities			
	Grocery Store Manager		1	1
	Meat Department Manager	2		
8215	Slaughtering and Meat Cutting, Canning, Curing and Packing Operations			
	Meat Cutter	2	2	8
8228	Operations in Labouring and Other Elemental Work: Food, Beverage & Related Processing			
	Meat Packing Labourer			1
8583	Rail Transport Equipment Mechanics and Repairers			
	Carperson			1
9155	Deck Crew, Ship			
	Commercial Fisherman/woman - Deckhand			1
		4	3	12

Course: **CREATIVE COMMUNICATIONS (3359)**
Course Type: Two-year Diploma
Colleges Where Course Offered: Red River Community College

Course Description:

The Creative Communications course prepares individuals for occupations concerned with preparing written material for publication in newspapers, books and magazines, as well as preparing materials for information or entertainment through radio and television broadcasting. Activities generally include: searching, interviewing and writing to prepare material, selecting and revising written material, preparing advertising campaigns and public relations projects. Graduates may find a variety of employment opportunities as qualified writers.

Possible Employment Establishments:

- Direct mail firms
- Advertising agencies
- Department stores
- Government Information Services
- Radio stations
- Newspapers
- Trade and Consumer magazines
- Public Relations departments
- Television stations
- Other private businesses and industries

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	62
Number employed:	49
Number unemployed and seeking work:	7
Number not seeking work:	6
Percentage who found jobs in Winnipeg:	73.5
Percentage who found jobs in rural Manitoba:	12.2
Percentage who found jobs outside Manitoba:	14.3
Average weekly (hourly) earnings, 1977 grads:	$201.29 ($5.40)

CREATIVE COMMUNICATIONS

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
1174	Personnel and Related Officers			
	Employment Supervisor - Coordinator			1
1179	Occupations Related to Management and Administration, n.e.c.			
	Advertising Coordinator		1	
	Assistant Information Officer			1
	Information Writer		1	
2731	Elementary and Kindergarten Teachers			
	Student Supervisor			1
2799	Other Teaching and Related Occupations, n.e.c.			
	Audio-Visual Technician			1
3314	Advertising and Illustrating Artists			
	Advertising Coordinator		1	
3315	Photographers and Camera Operators			
	Television Camera Operator			2
3339	Occupations in Performing & Audiovisual Arts, n.e.c.			
	Production Assistant			1
3351	Writers and Editors, Publication			
	Administration Manual Coordinator	1		
	Advertising Copywriter		2	2
	Assistant Editor		1	
	Community Newspaper Journalist			1
	Information Writer			1
	Market Editor - Junior Reporter	1	1	
	Newspaper Editor	2		
	Newspaper Reporter	3	1	2
	Reporter/Announcer		1	
	Senior Copy Writer			1
3353	Writers and Editors: Radio, Television, Theatre and Motion Pictures			
	Commercial Writer/Producer	1	1	
	Free Lance Writer		1	
	Radio Copywriter	2	1	
	Television Copywriter	1		1
	T.V. and/or Radio News Writer/Announcer			2
3359	Occupations in Writing, n.e.c.			
	Information Writer	1		
4151	Production Clerks			
	Sales Clerk		1	
4171	Receptionists and Information Clerks			
	Laboratory Receptionist		1	
4177	Messengers			
	Delivery Driver		1	
4195	Personnel Clerks			
	Career Consultant		1	
4197	General Office Clerks			
	Junior Office Clerk	1		
5135	Salespersons, Commodities, n.e.c.			
	Salesperson	1	1	
5173	Salespersons and Traders, Securities			
	Grain Trader		1	
		14	18	17

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Course: ADVERTISING ART (3314, 3319)
Course Type: Two-year Diploma
Colleges Where Course Offered: Red River Community College

Course Description:

The Advertising Art course prepares individuals for occupations concerned with creating illustrations, designs, cartoons and caricatures for books, magazines, posters, newspapers, roadside billboards and television commercials for the purposes of advertising, illustrating and distributing information. Activities may include: designing art layouts, retouching photographs, sketching and lettering. Graduates may find employment as layout artists, retouching artists, illustrating artists and free-lance artists.

Possible Employment Establishments:

- Advertising agencies
- Retail stores
- Commercial art studios
- Newspapers
- Magazines
- Television-Graphic and Film departments
- Other private business

SURVEY DATA FOR YEARS 1976-1978

Number of responses: 34
Number employed: 30
Number unemployed and seeking work: 2
Number not seeking work: 2

Percentage who found jobs in Winnipeg: 100.0
Percentage who found jobs in rural Manitoba: NIL
Percentage who found jobs outside Manitoba: NIL

Average weekly (hourly) earnings, 1977 grads: $203.50 ($5.32)

ADVERTISING ART

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
3314	Advertising and Illustrating Artists			
	Advertising Artist	3		
	Advertising Designer			1
	Art Director	1		1
	Commercial Artist			1
	Creative Layout Artist			1
	Graphic Artist			1
	Graphic Designer	4	2	1
	Intermediate Artist	1		
	Junior Designer	2		
	Layout Artist	2		
	Medical Illustrator			1
	Newspaper Editorial Illustrator			1
	Production Artist		1	
3315	Photographers and Camera Operators			
	Photograph Retoucher		1	
3319	Occupations in Fine and Commercial Art, Photography and Related Fields, n.e.c.			
	Paste-Up Artist			2
	Visual Presenter		1	
6191	Janitors, Charworkers and Cleaners			
	Janitor			1
		13	5	11

Course:	GRAPHIC ARTS (3319, 9511, 9591, 9512)
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College

Course Description:

The Graphic Arts course prepares individuals for occupations concerned with operating printing presses to print illustrations, designs and text on paper and textiles. Activities include: photographic material and producing a plate from the negative; setting up and operating a variety of offset printing presses; and binding printed material. Graduates may find employment as typesetters, paste-up artists, press operators, salespeople, production controllers and cost estimators.

Possible Employment Establishments:

- Publishers
- Graphic products supplies
- Printers
- Paint and ink companies
- Other private businesses and industries

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	26
Number employed:	23
Number unemployed and seeking work:	2
Number not seeking work:	1
Percentage who found jobs in Winnipeg:	78.3
Percentage who found jobs in rural Manitoba:	8.7
Percentage who found jobs outside Manitoba:	13.0
Average weekly (hourly) earnings, 1977 grads:	$175.90 ($4.50)

GRAPHIC ARTS
ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES 1-YEAR FOLLOWING GRADUATION

		Graduates		
CCDO	GRADUATES' REPORTED JOB TITLES	1975	1976	1977
1136	Personnel and Industrial Relations Management Occupations			
	Plant Manager		1	
3314	Advertising and Illustrating Artists			
	Photo Computerized Typesetter	1		
	Production Printer	1		
3319	Occupations in Fine and Commercial Art, Photography and Related Fields, n.e.c.			
	Cameraperson/Stripper			1
	Graphic Designer			1
	Paste-Up Artist	1		2
	Paste-Up Artist/Cameraperson			1
	Paste-Up Artist/Typesetter			1
3339	Occupations in Performing & Audiovisual Arts, n.e.c.			
	Stage Producer			1
5133	Commercial Travellers			
	Sales Representative & Coordinator	1		
	Salesperson			1
5137	Sales Clerks, Commodities			
	Grocery Store Clerk	1		
7115	Crop Farmers			
	Farmer			1
8533	Electrical and Related Equipment Installing and Repairing Occupations, n.e.c.			
	Sewing Machine Adjuster	1		
8573	Moulding Occupations, Rubber, Plastic and Related Products			
	Press Operator			1
9511	Typesetting and Composing Occupations			
	Typesetter		1	
9512	Printing Press Occupations			
	Apprentice Printer		1	1
	Offset Presser			1
	Printer		1	
9591	Photographic Processing Occupations			
	Negative Compositor		1	
		6	5	12

Course:	PHOTOGRAPHIC TECHNICIAN (3315, 9591)
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College

Course Description:

The Photographic Technician course prepares individuals for occupations concerned with photographing people, events, scenes, materials and products with still and television cameras. Activities include: conceiving artistic and special effects, arranging and preparing subject matter, devising and setting up special photographic equipment and processing film. Graduates may find employment in the commercial, industrial, educational, portraiture, medical, scientific and technical fields.

Possible Employment Establishments:

- Hospitals
- Governments
- Negative and film processors
- Department stores
- Other private businesses and industries

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	28
Number employed:	24
Number unemployed and seeking work:	1
Number not seeking work:	3
Percentage who found jobs in Winnipeg:	83.3
Percentage who found jobs in rural Manitoba:	12.5
Percentage who found jobs outside Manitoba:	4.2
Average weekly (hourly) earnings, 1977 grads:	$181.80 ($4.92)

PHOTOGRAPHIC TECHNICIAN

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
1142	Service Management Occupations			
	Assistant Manager		1	
1149	Other Managers and Administrators			
	Real Estate Manager			1
3315	Photographers and Camera Operators			
	Assistant Photographer		1	
	Commercial Photographer		1	
	Newspaper Photographer			1
4151	Production Clerks			
	Schedule Desk Clerk		1	
4192	Adjusters, Claim			
	Insurance Adjuster			1
5135	Salespersons, Commodities, n.e.c.			
	Salesperson		1	
5137	Sales Clerks, Commodities			
	Sales Clerk	1	1	
6149	Personal Service Occupations, n.e.c.			
	Night Attendant (Child Care & Security)	1		
8733	Construction Electricians & Repairers			
	Electrician's Apprentice			1
8799	Other Construction Trades Occupations, n.e.c.			
	Carpet Installer		1	
9591	Photographic Processing Occupations			
	Dark Room Technician	1		1
	Photographic Technician	4		3
		7	7	8

Course:	LIBRARY TECHNICIAN (2353, 4161, 4169)
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College

Course Description:

The Library Technician course prepares individuals for occupations concerned with assisting librarians in developing, organizing and maintaining a collection of library material. Activities include: searching bibliographic data, preparing acquisition lists, recording information on catalogue cards, assisting readers searching for material, arranging displays and operating audio-visual equipment.

Possible Employment Establishments:

Public libraries
University libraries
School libraries
Government libraries
Private business libraries
Newspaper libraries

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	54
Number employed:	50
Number unemployed and seeking work:	2
Number not seeking work:	2
Percentage who found jobs in Winnipeg;	100.0
Percentage who found jobs in rural Manitoba:	NIL
Percentage who found jobs outside Manitoba:	NIL
Average weekly (hourly) earnings, 1977 grads:	$160.21 ($4.58)

LIBRARY TECHNICIAN

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
2351	Librarians and Archivists			
	Assistant Librarian	1		
2353	Technicians in Library, Museum and Archival Sciences			
	Circulation Clerk		1	
	Library Assistant	1	1	2
	Library Clerk	1		
	Library Technician	15	11	10
	Library Technician/External Credits			1
4155	Store Clerks and Related Occupations			
	Purchasing Clerk	1		
4161	Library and File Clerks			
	Library Assistant	1		
	Library Clerk		1	
	Library Technician	1		
4175	Telephone Operators			
	Switchboard Operator		1	
		—	—	—
		21	15	13

Course:	WATCH REPAIR
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College

Course Description:

The Watch Repair course prepares individuals for occupations concerned with repairing watches and clocks and mechanical movements used in clockwork-operated devices, such as timers, meters and recorders. Activities generally include: replacing parts, cleaning, adjusting, calibrating and refinishing watches, clocks and dial indicators. Graduates of Watch Repair enter the trade at the level of improver. After one year of working experience, individuals are eligible to write the Canadian Jewellers Institute examination to qualify as a certified watchmaker.

Possible Employment Establishments:

- Jewellery stores
- Watch manufacturers
- Banks
- Aircraft factories

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	7
Number employed:	7
Number unemployed and seeking work:	NIL
Number not seeking work:	NIL
Percentage who found jobs in Winnipeg:	14.3
Percentage who found jobs in rural Manitoba:	71.4
Percentage who found jobs outside Manitoba:	14.3
Average weekly (hourly) earnings, 1977 grads:	$188.00 ($4.44)

WATCH REPAIR

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
8587	Watch and Clock Repairers			
	Watch Repairer	3	1	2
8591	Jewellery and Silverware Fabricating, Assembling and Repairing Occupations			
	Goldsmith			1
		3	1	3

Course: **COMMERCIAL ART (3314, 3319)**
Course Type: Certificate
Colleges Where Course Offered: Assiniboine Community College

Course Description:

The Commercial Art course prepares individuals for occupations concerned with creating illustrations, designs, cartoons and caricatures for books, magazines, posters, newspapers, roadside billboards and television commercials for the purposes of advertising, illustrating and distributing information. Activities may include: designing art layouts, retouching photographs, sketching and lettering. Graduates may find employment as layout artists, retouching artists, illustrating artists and freelance artists.

Possible Employment Establishments:

- Advertising agencies
- Process screen printers
- Commercial art studios
- Television stations
- Newspapers
- Machinery manufacturing and servicing
- Sign companies
- Photographers
- Department stores
- Chain stores

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	28
Number employed:	16
Number unemployed and seeking work:	6
Number not seeking work:	6
Percentage who found jobs in Winnipeg:	37.4
Percentage who found jobs in rural Manitoba:	31.3
Percentage who found jobs outside Manitoba:	31.3
Average weekly (hourly) earnings, 1977 grads:	$157.03 ($4.11)

COMMERCIAL ART

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
2165	Architectural and Engineering Technologists and Technicians			
	Surveyor	1		
3314	Advertising and Illustrating Artists			
	Advertising Artist			2
	Commercial Artist			2
3319	Occupations in Fine and Commercial Art, Photography and Related Fields, n.e.c.			
	Paste-Up Artist		1	
	Sign Painter			1
4111	Secretaries and Stenographers			
	Clerk/Stenographer			1
	Secretary/Receptionist			1
4197	General Office Clerks			
	Clerk			1
5135	Salespersons, Commodities, n.e.c.			
	Clothing Salesperson			1
5174	Salesperson, Advertising			
	Display Advertising Salesperson			1
6120	Supervisors, Food and Beverage Preparation and Related Service Occupations			
	Restaurant Supervisor	1		
7195	Nursery and Related Workers			
	Labourer	1		
8373	Abrading and Polishing Occupations: Clay, Glass, Stone and Related Materials			
	Machine Operator			1
8781	Carpenters and Related Occupations			
	Carpentry Labourer			1
		3	1	12

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Course: **MOTOR VEHICLE BODY REPAIR (8581)** *
Course Type: Certificate
Colleges Where Course Offered: Red River Community College
Assiniboine Community College

Course Description:

The Motor Vehicle Body Repair course prepares individuals for occupations concerned with repairing damaged body parts and painting motor vehicles. Activities generally include: examining damaged vehicles and estimating cost of repairs, removing upholstery to gain access to damaged areas, hammering surfaces to remove dents, removing badly damaged body parts and attaching replacements by bolting or welding, aligning frames, sanding and painting, and replacing windshields. Graduates may find employment as auto body mechanics, metal finishers, painters, body frame specialists, claim adjusters, collision estimators, shop foremen, service or parts managers, machine operators and service station operators.

Possible Employment Establishments:

- Auto Body painting shops
- Auto Body shops
- Car dealers
- Car leasing companies
- Other private businesses and industries which own and service vehicles

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	67
Number employed:	57
Number unemployed and seeking work:	8
Number not seeking work:	2
Percentage who found jobs in Winnipeg:	54.4
Percentage who found jobs in rural Manitoba:	45.6
Percentage who found jobs outside Manitoba:	NIL
Average weekly (hourly) earnings, 1977 grads:	$191.74 ($4.52)

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* Previously called Auto Body Repair and Painting

MOTOR VEHICLE BODY REPAIR

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
4153	Shipping and Receiving Clerks			
	Shipper/Receiver			2
7113	Animal Farmers			
	Assistant Driller			1
7115	Crop Farmers			
	Farmer	1		1
7181	General Workers, Farm			
	Farm Labourer			1
7195	Nursery and Related Workers			
	Greenhouse Worker			1
8333	Sheet-Metal Workers			
	Steel Worker			1
8531	Electrical Equipment Fabricating and Assembling Occupations			
	Fan Assembler	1		
8580	Foremen/women: Mechanics & Repairers, n.e.c.			
	Body Shop Foreman/woman		1	
8581	Motor Vehicle Mechanics and Repairers			
	Auto Body Apprentice	3	1	1
	Auto Body Mechanic	3	3	2
	Auto Body Repairer	6	2	5
	Auto Body Repairer/Painter			2
	Automotive Technician	1		
	Auto Body Worker			2
	Labourer			1
8595	Painting & Decorating Occupations, Except Construction			
	Auto Body Painter	3	1	2
	Painter's Helper		1	
8733	Construction Electricians and Repairers			
	Servicer		1	
8791	Pipefitting, Plumbing and Related Occupations, n.e.c.			
	Pipe Layer		1	
9175	Truck Drivers			
	Truck Driver	1		
9179	Motor Transport Operating Occupations, n.e.c.			
	Dock Worker		1	
9315	Material-Handling Equipment Operators, n.e.c.			
	Fork Lift Operator		1	1
9888	Job Titles Not Provided			
	Set-Up Person			1
		19	13	24

Course:	MOTOR VEHICLE MECHANIC (8581) *
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College Assiniboine Community College Keewatin Community College

Course Description:

The Motor Vehicle Mechanic course prepares individuals for occupations concerned with repairing and overhauling automobiles, buses, trucks and other automotive vehicles. Activities generally include: testing, diagnosing, disassembling and replacing parts and assemblies, tuning and adjusting motor parts, relining brakes, radios, heaters, mirrors, and windshield wipers. Graduates may enter an apprenticeship program in auto mechanics. Individuals who reach the journeyman/woman level may find employment as journeymen/women mechanics, shop foremen/women, service managers, parts managers, machine operators and service station operators.

Possible Employment Establishments:

- Trucking and transport companies
- City transit system
- Governments
- Car dealers
- Service stations
- Equipment repair services

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	144
Number employed:	131
Number unemployed and seeking work:	8
Number not seeking work:	5
Percentage who found jobs in Winnipeg:	42.7
Percentage who found jobs in rural Manitoba:	45.8
Percentage who found jobs outside Manitoba:	11.5
Average weekly (hourly) earnings, 1977 grads:	$206.25 ($4.93)

* Previously called Automotive Mechanics Technician/Repair

MOTOR VEHICLE MECHANIC

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
2161	Surveyors			
	Surveyor		1	
4153	Shipping and Receiving Clerks			
	Labourer			1
	Shipper			1
4173	Mail and Postal Clerks			
	Postal Clerk		1	
4177	Messengers			
	Warehouse Worker		1	
5130	Supervisors: Sales Occupations, Commodities			
	Manager			1
5145	Service Station Attendants			
	Gas Jockey			1
7111	General Farmers			
	Farmer			1
7113	Animal Farmers			
	Farmer - Apiarist			1
7115	Crop Farmers			
	Grain Farmer			1
7181	General Workers, Farm			
	Farm Worker		1	
7718	Occupations in Labouring & Other Elemental Work, Mining & Quarrying Including Oil & Gas Fields			
	Labourer		1	
8116	Inspecting, Testing, Grading & Sampling Occupations, Mineral Ore Treating			
	Mineral Sampler		1	
8215	Slaughtering & Meat Cutting, Canning, Curing and Packing Occupations			
	Pet Food Manufacturing			1
8228	Occupations in Labouring & Other Elemental Work: Food, Beverage & Related Processing			
	General Labourer		1	
8253	Papermaking and Finishing Occupations			
	Paper Maker			1
8313	Machinist and Machine-Tool Setting-Up Occupations			
	Machinist			1
8513	Motor Vehicle Fabricating & Assembling Occupations, n.e.c.			
	Automotive Trimmer			1
	Lineworker			1
8534	Electronic Equipment Fabricating and Assembling Occupations			
	Field Engineer	1		
8562	Upholsterers			
	Upholsterer	1		

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
8580	Foremen/women: Mechanics & Repairers, n.e.c.			
	Automotive Service Advisor			1
8581	Motor-Vehicle Mechanics and Repairers			
	Apprentice Automobile Mechanic	6	4	
	Apprentice Autmotive Technician			1
	Apprentice Mechanic			12
	Automobile Mechanic	21	15	
	Autmobile Technician	1	2	1
	Automotive Mechanic			7
	Garage Mechanic			1
	Mechanic			3
	Mechanic's Helper	1		
	Motorcycle Mechanic			1
	Service Technician	1		
	Small Motor Mechanic		1	
	Snowmobile Mechanic	1		
	Tire Mechanic			1
8583	Rail Transport Equipment Mechanics & Repairers			
	Car Worker Mechanic			1
	Car Worker Trainee			1
8584	Industrial, Farm and Construction Machinery Mechanics and Repairers			
	Apprentice Diesel Mechanic	1		
	Apprentice Heavy Duty Mechanic			1
	Diesel/Automotive Mechanic			1
	Heavy Duty Mechanic	3	1	
	Mechanic's Helper	1		1
	Millwrite Maintenance			1
	Mining Equipment Technician		1	
8589	Other Mechanics and Repairers, n.e.c.			
	Industrial Mechanic	1		
8711	Excavating, Grading & Related Occupations			
	Bulldozer Operator		1	
8715	Railway Section Workers & Track Workers			
	Railway Labourer			1
8733	Construction Electricians and Repairers			
	Electrician's Helper			1
8781	Carpenters and Related Occupations			
	Carpenter			1
	Construction Worker			1
8787	Roofing, Waterproofing & Related Occupations			
	Roofing Sub-Contractor		1	
8798	Occupations in Labouring & Other Elemental Work, Other Construction Trades			
	Construction Helper		1	
8799	Other Construction Trades Occupations, n.e.c.			
	Maintenance Engineer			1
9175	Truck Drivers			
	Highway Transport Driver	1		
	Truck Driver			2
9533	Stationary Engine & Auxiliary Equipment Operating and Maintaining			
	Power Engineer			1
9919	Other Occupations, n.e.c.			
	Car Washer			1
		40	34	55

Course: DIESEL MECHANICS (8584)
Course Type: Certificate
Colleges Where Course Offered: Red River Community College

Course Description:

The Diesel Mechanics course prepares individuals for occupations concerned with repairing and maintaining diesel engines used to power a wide variety of heavy transport equipment. Activities generally include: diagnosing, disassembling and replacing parts and assemblies; reconditioning; aligning; fitting; reassembling and adjusting to specifications. Graduates may find employment as mechanics and maintenance specialists for industrial, highway, construction, rail transport, marine and generating plant equipment. Graduates may also enter an apprenticeship program.

Possible Employment Establishments:

- Farm machinery sales and service
- Diesel transport services
- Industrial equipment services
- Service stations
- Heavy equipment dealers
- Truck transport services

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	90
Number employed:	83
Number unemployed and seeking work:	5
Number not seeking work:	2
Percentage who found jobs in Winnipeg:	66.3
Percentage who found jobs in rural Manitoba:	19.3
Percentage who found jobs outside Manitoba:	14.4
Average weekly (hourly) earnings, 1977 grads:	$237.20 ($5.57)

DIESEL MECHANICS

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
4140	Supervisors, Office Machine & Electronic Data-Processing Equipment Operators			
	Business Machines Supervisor			1
4155	Stock Clerks and Related Occupations			
	Warehouse Assembler			1
4199	Other Clerical & Related Occupations, n.e.c.			
	General Clerk		1	
5135	Salespersons, Commodities, n.e.c.			
	Parts Clerk			1
5170	Supervisors: Sales Occupations, Services			
	District Service Representative		1	
7111	General Farmers			
	Farmers			2
7113	Animal Farmers			
	Farmer	1		
7115	Crop Farmers			
	Farmer		1	
7181	General Workers, Farm			
	Farm Helper			1
8313	Machinist & Machine-Tool Setting-Up Occupations			
	Apprentice Machinist			2
8581	Motor-Vehicle Mechanics and Repairers			
	Apprentice Automobile Mechanic	1		
	Automobile Mechanic	2	1	
	Farm Machinery Repairer	1	1	
	Heavy Duty Mechanic		3	
	Mechanic			2
	Transport Mechanic	1		
8584	Industrial, Farm & Construction Machinery Mechanics and Repairers			
	Agricultural Mechanic	1	1	
	Apprentice Diesel Mechanic	1		5
	Apprentice Heavy Duty Mechanic		2	
	Apprentice Mechanic, Buses	1		
	Diesel Mechanic	12	5	8
	Diesel Mechanic - Farm Equipment			1
	Heavy Duty Mechanic	4	5	3
	Mechanic			1
	Pit Mechanic		1	
8589	Other Mechanics and Repairers, n.e.c.			
	Mechanic			1
8711	Excavating, Grading and Related Occupations			
	Scraper Operator	1		
	Work Equipment Operator			1
8798	Occupations in Labouring & Other Elemental Work, Other Construction Trades			
	Labourer			1
8799	Other Construction Trades Occupations, n.e.c.			
	Highways Labourer			1
9175	Truck Drivers			
	Tow Truck Operator			1
	Truck Driver	1		1
		27	22	34

Course:	**HEAVY DUTY MECHANIC (8584)**
Course Type:	Certificate
Colleges Where Course Offered:	Assiniboine Community College Keewatin Community College

Course Description:

The Heavy Duty Mechanics Course prepares individuals for occupations concerned with repairing, rebuilding and adjusting heavy mobile equipment such as bulldozers, loaders, trucks, scrapers, graders and draglines. Activities generally include: diagnosing, disassembling and replacing parts and assemblies; reconditioning; aligning; fitting; reassembling and adjusting to specifications.

Possible Employment Establishments:

- Heavy construction contractors
- Manufacturers and distributors
- Mining companies
- Pulp and paper companies
- Freighting companies
- Governments
- Caterpillar equipment services

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	45
Number employed:	41
Number unemployed and seeking work:	2
Number not seeking work:	2
Percentage who found jobs in Winnipeg:	9.7
Percentage who found jobs in rural Manitoba:	73.2
Percentage who found jobs outside Manitoba:	17.1
Average weekly (hourly) earnings, 1977 grads:	$221.36 ($5.41)

HEAVY DUTY MECHANIC

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
5133	Commercial Travellers			
	Sales Representative			1
6191	Janitors, Charworkers and Cleaners			
	Janitor			1
7198	Occupations in Labouring & Other Elemental Work: Farming, Horticulture & Animal Husbandry			
	Farm Labourer, General	2		
7711	Rotary Well-Drilling & Related Occupations			
	Cementer			1
8313	Machinist & Machine-Tool Setting-Up Occupations			
	Class B Machinist			1
8339	Metal Shaping & Forming Occupations, Except Machinery, n.e.c.			
	Labourer		1	
8581	Motor-Vehicle Mechanics and Repairers			
	Apprentice Heavy Duty Mechanic	1	1	
	Automobile Mechanic		1	
	Heavy Duty Mechanic	2		
8584	Industrial, Farm & Construction Machinery Mechanics and Repairers			
	Apprentice Heavy Duty Mechanic	4	1	3
	Diesel Mechanic	2		1
	Heavy Duty Mechanic	6	1	2
	Labourer/Operator			1
	Maintenance Mechanic/Heavy Duty			1
	Mechanic			1
	Mixed Farming Mechanic			1
	Tractor Mechanic			1
8711	Excavating, Grading & Related Occupations			
	Caterpillar Operator		1	
9175	Truck Drivers			
	Truck Driver's Helper	1		
9315	Material-Handling Equipment Operators, n.e.c.			
	Fork Lift Operator			1
		18	6	16

Course: H.D.E.O. Backhoe Grader (8711)
Dozer Scraper
Dragline

Course Type: Certificate

Colleges Where Course Offered: Red River Community College
Keewatin Community College

Course Description:

The course is designed to enable students to develop basic proficiency in the operation and servicing of bulldozers, scrapers, graders, draglines, front-end loaders, backhoe, and tandem dump trucks. The student may find employment when his/her level of training has brought him/her to a sufficient level of competence on one machine, to be acceptable to an employer in the field.

Possible Employment Establishments:

Heavy construction industry

SURVEY DATA FROM 1977 GRADUATES

Number of responses:	24
Number employed:	15
Number unemployed and seeking work:	7
Number not seeking work:	2
Percentage who found jobs in Winnipeg:	20.0
Percentage who found jobs in rural Manitoba:	73.3
Percentage who found jobs outside Manitoba:	6.7
Average weekly (hourly) earnings, 1977 grads:	$253.75 ($5.23)

H.D.E.O. (BACKHOE, DOZER, DRAGLINE, GRADER, SCRAPER)

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

OCDO	GRADUATES' REPORTED JOB TITLES	1977 Graduates
	H.D.E.O. BACKHOE	
7113	Animal Farmers	
	Farmer	1
8711	Excavating, Grading & Related Occupations	
	Equipment Operator	1
		2
	H.D.E.O. DOZER	
8711	Excavating, Grading & Related Occupations	
	Heavy Equipment Operator	1
9175	Truck Drivers	
	Long Haul Operator	1
		2
	H.D.E.O. DRAGLINE	
8711	Excavating, Grading & Related Occupations	
	Heavy Equipment Operator	1
	Operator	1
		2
	H.D.E.O. GRADER	
4177	Messengers	
	Delivery Driver	1
7313	Fisherman/woman	
	Fisherman/woman	2
8238	Occupations in Labouring & Other Elemental Work; Wood Processing, Except Paper Pulp	
	Edge Sort Piler	1
8711	Excavating, Grading & Related Occupations	
	Grader Operator	1
		5
	H.D.E.O. SCRAPER	
7131	Farm Management Occupations	
	Farm Manager	1
8148	Occupations in Labouring & Other Elemental Work, Metal Processing	
	Steel Worker	1
9888	Job Titles Not Provided	
	Load Checker	1
	General Labourer	1
		4

Course:	AGRICULTURAL MECHANIC (8581)
Course Type:	Certificate
Colleges Where Course Offered:	Assiniboine Community College

Course Description:

The Agricultural Mechanics course prepares individuals for occupations concerned with repairing and overhauling farm machinery such as combines, tractors and movers. Activities generally include: diagnosing, disassembling and replacing parts and assemblies; reconditioning; aligning; fitting; reassembling and adjusting to specification. Graduates may find employment as agricultural mechanics with farm implement dealers and service organizations.

Possible Employment Establishments:

Farm equipment dealers
Farm service organizations

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	20
Number employed:	18
Number unemployed and seeking work:	2
Number not seeking work:	NIL
Percentage who found jobs in Winnipeg:	5.6
Percentage who found jobs in rural Manitoba:	83.3
Percentage who found jobs outside Manitoba:	11.1
Average weekly (hourly) earnings, 1977 grads:	$165.72 ($3.20)

AGRICULTURAL MECHANIC

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
3351	Writers and Editors, Publications			
	Reporter/Photographer			1
7111	General Farmers			
	Farmer	1	1	1
7113	Animal Farmers			
	Farmer/Rancher			1
7115	Crop Farmers			
	Grain Farmer			1
7181	General Workers, Farm			
	Farm Labourer			2
7197	Farm-Machinery Operators & Custom Operators			
	Big A Operator			1
8581	Motor-Vehicle Mechanics and Repai[illegible]			
	Automobile & Tractor Mechanic	1		
8584	Industrial, Farm & Construction Machinery Mechanics and Repairers			
	Agricultural Mechanic			3
	Apprentice Heavy Duty Mechanic			1
	Farm Implement Mechanic	1	1	
9315	Material-Handling Equipment Operators, n.e.c.			
	Assistant Grain Buyer		1	
	Tractor Operator			1
		3	3	12

Course:	ADVANCED SMALL MOTOR REPAIR
Course Type:	Certificate
Colleges Where Course Offered:	Keewatin Community College

Course Description:

The Advanced Small Motor Repair course is designed to prepare persons for employment as small motor repairmen/women. Upon successful completion, students display: a knowledge of basic mechanical principles and their applications, a knowledge of small engine and related machine operating principles, inspection methods and repair procedures, and diagnostic trouble-shooting repair and adjustment skills for outboard engines, snowmobiles, chain-saws and related equipment. Classroom activities include: lectures, demonstrations, and shop work.

SURVEY DATA FROM 1977 GRADUATES

Number of responses:	1
Number employed:	1
Number unemployed and seeking work:	NIL
Number not seeking work:	NIL
Percentage who found jobs in Winnipeg:	NIL
Percentage who found jobs in rural Manitoba:	100.0
Percentage who found jobs outside Manitoba:	NIL
Average weekly (hourly) earnings, 1977 grads:	$120.00 ($3.75)

ADVANCED SMALL MOTOR REPAIRS

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	1977 Graduates
3719	Occupations in Sport and Recreation, n.e.c. Tourist Guide	1
		1

Course:	BIOCHEMICAL TECHNOLOGY (2117)
Course Type:	2-year Diploma
Colleges Where Course Offered:	Red River Community College

Course Description:

The Biochemical Technology course is designed to develop a broad knowledge of principles in chemistry, biochemistry, physics and mathematics, including computer programming, as related to the biochemical field. Students develop communication skills that include the ability to interpret, analyze, and transmit data and ideas graphically, orally, and in writing. Proper laboratory techniques, safety habits and attitudes towards handling chemicals and apparatus are taught. The biochemical technologist may work actively in medical and dental research, in the pharmaceutical industry, in the food industry, in quality control, in agriculture, and in many other industries.

SURVEY DATA FROM 1977 GRADUATES

Number of responses:	3
Number employed:	2
Number unemployed and seeking work:	1
Number not seeking work:	NIL
Percentage who found jobs in Winnipeg:	100.0
Percentage who found jobs in rural Manitoba:	NIL
Percentage who found jobs outside Manitoba:	NIL
Average weekly (hourly) earnings, 1977 grads:	$182.00 ($5.06)

BIOCHEMICAL TECHNOLOGY

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	1977 Graduates
2117	Physical Sciences Technologists & Technicians	
	Lab Technologist I	1
8781	Carpenters and Related Occupations	
	Private Contractor	1
		2

Course:	BIOLOGICAL TECHNOLOGY (2135)
Course Type:	Two-year Diploma
Colleges Where Course Offered:	Red River Community College

Course Description:

The Biological Technology course prepares individuals for occupations concerned with carrying out technological functions in various aspects of biology in support of research, testing and analysis. Activities generally include: reviewing biological publications, maintaining collections of flora and fauna, conducting experiments, preparing specimens for microscopic examination, analyzing biological material, conducting field and laboratory studies and caring for live plants and animals. Graduates may find employment in laboratories or in field work.

Possible Employment Establishments:

- Governments
- Hospitals
- Universities
- Grain Industry
- Fish and wildlife agencies
- Environmental and public health agencies
- Meat and food processing industries
- Veterinary labs

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	30
Number employed:	27
Number unemployed and seeking work:	1
Number not seeking work:	2
Percentage who found jobs in Winnipeg:	81.5
Percentage who found jobs in rural Manitoba:	3.7
Percentage who found jobs outside Manitoba:	14.8
Average weekly (hourly) earnings, 1977 grads:	$169.10 ($4.54)

BIOLOGICAL TECHNOLOGY

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
1116	Inspectors & Regulatory Officers, Government			
	Poultry Inspector	1		
2117	Physical Sciences Technologists & Technicians			
	Research Technician			1
2135	Life Sciences Technologists & Technicians			
	Bacteriological Technician			1
	Environmental Impact Assessment Technician		1	
	Environmental Technologist	1		
	Fish and Wildlife Technician		2	
	Laboratory Technician	1	2	
	Laboratory Technologist			1
	Reproductive Physiology Technician	1		
	Sample Room Technician		1	
2139	Occupations in Life Sciences, n.e.c.			
	Resource Technician	1		
2719	University Teaching & Related Occupations, n.e.c.			
	Laboratory Assistant	1		
3156	Medical Laboratory Technologists & Technicians			
	Medical Technicians			1
4111	Secretaries and Stenographers			
	Stenographic Typist			1
5137	Sales Clerks, Commodities			
	Sales Clerk		2	
6199	Other Service Occupations, n.e.c.			
	Car Park Attendant			1
7199	Other Farming, Horticultural & Animal-Husbandry Occupations, n.e.c.			
	Animal Technician			1
8226	Inspecting, Testing, Grading & Sampling Occupations: Food, Beverage & Related Processing			
	Moisture Technician	1		
	Primary Produce Inspector	1		
8593	Paper Product Fabricating and Assembling Occupations			
	Meat Packer/Box Maker			1
8718	Occupations in Labouring & Other Elemental Work: Excavating, Grading and Paving			
	Labourer II		1	
8791	Pipefitting, Plumbing & Related Occupations, n.e.c.			
	Construction Labourer			1
		8	9	9

Course:	**CHEMICAL TECHNOLOGY (2117)**
Course Type:	**Two-year Diploma**
Colleges Where Course Offered:	Red River Community College

Course Description:

The Chemical Technology course prepares individuals for occupations concerned with performing technological functions in chemistry primarily in support of research, design and development. Activities generally include: conducting experiments, determining procedures and equipment to be used; investigating processes to convert raw materials into consumer products; supervising and coordinating the work of technicians. Graduates may be employed as research assistants, chemical analysts, plant control chemists, laboratory experimentation specialists, salespeople and servicepeople for chemical products and equipment, and teacher's aides. Students who successfully complete the first year of Chemical Technology may be employed as chemical technicians in a variety of fields.

Possible Employments Establishments:

- Building products manufacturers
- Pulp and paper mills
- Paint manufacturers
- Mining companies
- Governments
- Meat processing plants
- Grain industry
- Food processing plants

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	20
Number employed:	15
Number unemployed and seeking work:	4
Number not seeking work:	1
Percentage who found jobs in Winnipeg:	73.4
Percentage who found jobs in rural Manitoba:	13.3
Percentage who found jobs outside Manitoba:	13.3
Average weekly (hourly) earnings, 1977 grads:	$292.71 ($7.75)

CHEMICAL TECHNOLOGY

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
2117	Physical Sciences Technologists & Technicians			
	Analytical Technologist	1		
	Chemical Analyst			1
	Chemical Engineering Technician		1	
	Chemical Technician		1	
	Chemical Technologist		1	1
	Lab Operator			1
	Lab Technician		2	
	Lab Technologist		2	
	Protein Testing Technician		1	
	Research Assistant		1	
	Research Technologist			1
5171	Insurance Sales Occupations and Agents			
	Life Insurance Sales Representative			1
		1	9	5

Course:	CIVIL TECHNOLOGY (2165)
Course Type:	Two-year Diploma
Colleges Where Course Offered:	Red River Community College

Course Description:

The Civil Technology course prepares individuals for occupations concerned with performing technological functions in various aspects of civil engineering. Activities generally include: conducting materials testing; conducting field and laboratory tests of soils; performing traffic surveys; conducting inspections of structures; writing reports; analyzing results and preparing statistical data, tables and drawings; assisting engineers in design. Graduates may find employment as assistants to civil engineers in such areas as the construction of streets, highways, railroads, airports, drainage and flood protection facilities, hydro electric development projects and water supply and sewage disposal facilities. After gaining working experience, a civil technologist may be employed as a sales representative for a building materials or engineering equipment manufacturer.

Possible Employment Establishments:

Governments

Construction industry

Engineering consultants

Other private industries

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	35
Number employed:	33
Number unemployed and seeking work:	1
Number not seeking work:	1
Percentage who found jobs in Winnipeg:	54.5
Percentage who found jobs in rural Manitoba:	9.1
Percentage who found jobs outside Manitoba:	36.4
Average weekly (hourly) earnings, 1977 grads:	$235.00 ($5.81)

CIVIL TECHNOLOGY

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
1131	Management Occupations: Natural Sciences, Engineering and Mathematics			
	Area Manager	1		
2143	Civil Engineers			
	Hydraulic Technologist	1		
	Materials Inspector		3	
2160	Supervisors, Other Occupations in Architecture and Engineering			
	Surveyor and Construction Supervisor			1
2161	Surveyors			
	Engineer Support Staff III	1		
	Instrument Man/Woman	1		
	Instrument Man/Woman - Inspector	1		
	Surveyor			2
2163	Draughtsmen/women			
	Engineering Draftsman/woman			1
	Intermediate Draftsman/woman			1
2165	Architectural & Engineering Technologists and Technicians			
	Civil Technologist			3
	Construction Technician			1
	Contract Estimator			1
	Engineering Aid II		2	
	Engineering Technologist	2	1	
	Inspector - Soil Testing	1		
	Junior Civil Technologist		1	
	Materials Testing Technician		1	
	Paving Quality Controller			1
	Subdivision Maintenance Technician			1
	Technician II	1		
4190	Supervisors, Other Clerical & Related Occupations, n.e.c.			
	Travel Manager			1
8796	Inspecting & Testing Occupations, Construction, Except Electrical			
	Construction Inspector	1	1	
		10	9	13

Course:	BUILDING CONSTRUCTION TECHNICIAN (2165)
Course Type:	Certificate
Colleges Where Course Offered:	Assiniboine Community College

Course Description:

The Building Construction Technician course prepares individuals for occupations concerned with building construction. Activities generally include woodworking, cabinet making, roofing, framing and exterior finishing. Graduates may also find employment in construction materials sales.

Possible Employment Establishments:

Building contractors
Millwork and cabinet shops
Prefab centres
Construction material suppliers

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	25
Number employed:	23
Number unemployed and seeking work:	1
Number not seeking work:	1
Percentage who found jobs in Winnipeg:	17.4
Percentage who found jobs in rural Manitoba:	65.2
Percentage who found jobs outside Manitoba:	17.4
Average weekly (hourly) earnings, 1977 grads:	$229.85 ($5.01)

BUILDING CONSTRUCTION TECHNICIAN

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
1145	Management Occupations, Construction Operations			
	Building Contractor	1		
1149	Other Managers and Administrators, n.e.c.			
	Lumber Yard Manager			1
2391	Educational and Vocational Counsellors			
	Youth Staffer			1
3159	Other Occupations in Medicine & Health, n.e.c.			
	Pharmacist Assistant			1
4155	Stock Clerks & Related Occupations			
	Warehouse Labourer			1
5130	Supervisors: Sales Occupations, Commodities			
	Grocery Storekeeper			1
7115	Crop Farmers			
	Farmer		1	
7198	Occupations in Labouring & Other Elemental Work: Farming, Horticulture & Animal Husbandry			
	Farm Labourer		1	
8541	Cabinet and Wood Furniture Makers			
	Cabinet Maker	1		
8583	Rail Transport Equipment Mechanics & Repairers			
	Car Worker	1		
8781	Carpenters and Related Occupations			
	Apprentice Carpenter	2	1	2
	Carpenter			3
	Carpenter's Helper			1
	Construction Carpenter	1		
	General Contractor - Carpentry			1
8798	Occupations in Labouring & Other Elemental Work, Other Construction Trades			
	Labourer - Construction			1
		6	3	13

Course:	STRUCTURAL TECHNOLOGY (2165)
Course Type:	Two-year Diploma
Colleges Where Course Offered:	Red River Community College

Course Description:

The Structural Technology course trains individuals to assist the structural engineer by performing technical functions primarily in support of installation, operation, maintenance, production and quality control. The Structural Technician makes routine computations and cost estimates; assists in preparation of engineering drawings for buildings, bridges and structures; conducts field laboratory tests of construction materials and soil samples; and summarizes data and writes reports for construction and maintenance of bridges, buildings, etc. After gaining the necessary experience, graduates may find related occupations in sales or managing in the building materials or construction equipment fields.

Possible Employment Establishments:

- Consulting engineers
- Concrete products manufacturers
- Bridging companies
- Architectural firms
- Public Works department

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	17
Number employed:	15
Number unemployed and seeking work:	1
Number not seeking work:	1
Percentage who found jobs in Winnipeg:	66.7
Percentage who found jobs in rural Manitoba:	6.7
Percentage who found jobs outside Manitoba:	26.6
Average weekly (hourly) earnings, 1977 grads:	$278.89 ($6.99)

STRUCTURAL TECHNOLOGY

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
2163	Draughtsman/woman			
	Draftsman/woman, Structural		3	2
	Open Web Steel Joist Detailer			1
2165	Architectural & Engineering Technologists and Technicians			
	Bridge Inspector	1		
	Laboratory Technologist		1	
	Structural Technologist	2		
5131	Technical Salesperson & Related Advisers			
	Salesperson - Technical - Construction Equipment			1
8156	Inspecting, Testing & Grading Occupations: Clay, Glass & Stone Processing & Forming			
	Quality Control Inspector		1	
8796	Inspecting & Testing Occupations, Construction, Except Electrical			
	Road Inspector			1
9888	Job Titles Not Provided			
	Cost Estimator			1
		3	5	6

Course: BUILDING TECHNOLOGY (2165)
Course Type: Two-year Diploma
Colleges Where Course Offered: Red River Community College

Course Description:

The Building Technology course prepares individuals for occupations concerned with building construction. Activities include estimating, construction and maintenance supervising, inspecting, materials testing, and building products sales. After gaining the necessary experience, graduates may become self-employed as construction supervisors or as contractors.

Possible Employment Establishments:

- Building contractors
- Consulting engineering firms
- Woodwork suppliers
- Construction materials suppliers

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	13
Number employed:	12
Number unemployed and seeking work:	1
Number not seeking work:	NIL
Percentage who found jobs in Winnipeg:	100.0
Percentage who found jobs in rural Manitoba:	NIL
Percentage who found jobs outside Manitoba:	NIL
Average weekly (hourly) earnings, 1977 grads:	$261.38 ($6.66)

BUILDING TECHNOLOGY

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
1130	General Managers & Other Senior Officials			
	President of Home Building Company	1		
1145	Management Occupations, Construction Operations			
	Construction Superintendent		1	
1179	Occupations Related to Management and Administration, n.e.c.			
	Construction Estimator	1		
	Contract Administrator			1
2165	Architectural & Engineering Technologists and Technicians			
	Estimator			1
	Loss Control Field Representative			1
4131	Bookkeepers and Accounting Clerks			
	Construction Estimator		1	
8780	Foreman/woman; Other Construction Trades Occupations			
	Construction Supervisor		3	1
8796	Inspecting & Testing Occupations, Construction, Except Electrical			
	Junior Estimator	1		
		3	5	4

Course:	SURVEYING TECHNOLOGY (2161, 2165)
Course Type:	Two-year Diploma (a) Certificate (b)
Colleges Where Course Offered:	Red River Community College (a) Keewatin Community College (b)

Course Description:

At Red River Community College, the Surveying Technology course has been designed to prepare individuals for occupations in land, topographic, construction, mining, hydrographic and geodetic surveying. At Keewatin Community College, the Surveying Technician course has been designed to prepare individuals for employment as surveying instrument people. The surveyor is responsible for surveying the earth's surface and often oversees engineering survey parties engaged in determining exact location and measurement of points, elevations, lines, areas and contours of the earth's surface to secure data used for construction, map making, land valuation and other purposes. For these same purposes, the instrument man obtains data pertaining to angles, deviations, points and contours, using alidade, transit, level and other surveying instruments.

Possible Employment Establishments:

Surveying companies
Governments
Hydro electric companies
Mining companies
Exploration companies

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	37
Number employed:	33
Number unemployed and seeking work:	4
Number not seeking work:	NIL
Percentage who found jobs in Winnipeg:	66.7
Percentage who found jobs in rural Manitoba:	24.2
Percentage who found jobs outside Manitoba:	9.1
Average weekly (hourly) earnings, 1977 grads:	$247.87 ($6.36)

SURVEYING TECHNOLOGY

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
2160	Supervisors, Other Occupations in Architecture and Engineering			
	Crew Chief - Surveying Party			1
	Party Chief	1	5	
2161	Surveyors			
	Engineering Aid II	1		
	Instrument Man/Woman	1		1
	Land Surveyor's Assistant	1		
	Legal Surveyor			2
	Rodman/Woman - Survey			1
	Survey Technician			1
	Surveyor			2
	Technical Assistant - Surveying			1
2165	Architectural & Engineering Technologists and Technicians			
	Engineering Aid III	4		
	Survey Technologist	1	1	3
6191	Janitors, Charworkers and Cleaners			
	Janitor/Maintenance			1
8799	Other Construction Trades Occupations, n.e.c.			
	Aluminum Siding Inspector	1		
9170	Foreman/woman, Motor Transport Operating Occupations			
	Manager, Taxi Service		1	
9175	Truck Drivers			
	Courier	1		
		11	7	13

Course: **CARPENTRY AND WOODWORKING (8781)**
Course Type: Certificate
Colleges Where Course Offered: Red River Community College
Keewatin Community College

Course Description:

The Carpentry and Woodworking course prepares individuals for employment in the building trades, in commercial construction or housebuilding, and in factories or cabinet making shops. The duties of an apprentice carpenter generally include constructing, erecting, installing and repairing structures and fixtures of wood, plywood and wallboard, and woodworking trade, usually progress to foremen/women, supervisors, building inspectors, draftsmen/women, estimators, superintendents or specialists in related fields.

Possible Employment Establishments:

- Furniture manufacturers
- Building contractors
- Building and woodworking supplies stores

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	69
Number employed:	57
Number unemployed and seeking work:	7
Number not seeking work:	5
Percentage who found jobs in Winnipeg:	50.9
Percentage who found jobs in rural Manitoba:	45.6
Percentage who found jobs outside Manitoba:	3.5
Average weekly (hourly) earnings, 1977 grads:	$362.80 ($8.94)

CARPENTRY AND WOODWORKING

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates 1975	Graduates 1976	Graduates 1977
1145	Management Occupations, Construction Operations			
	Construction Supervisor	1		
2161	Surveyors			
	Surveyor Rodman/woman		1	
3159	Other Occupations in Medicine & Health, n.e.c.			
	Respiratory Technologist			1
4197	General Office Clerks			
	Office Clerk			1
4199	Other Clerical & Related Occupations, n.e.c.			
	Meter Reader			1
5130	Supervisors: Sales Occupations, Commodities			
	Service Station Manager	1		
5135	Salespersons, Commodities, n.e.c.			
	Sales Clerk	1		
7195	Nursery and Related Workers			
	Machine Operator			1
7517	Log Hoisting, Sorting, Moving & Related Occupations			
	Lumberjack/Company Director			1
7719	Mining & Quarrying Including Oil and Gas Field Occupations, n.e.c.			
	Miner			1
8355	Planing, Turning, Shaping & Related Wood Machining Occupations			
	Woodworking Machine Operator	1		
8541	Cabinet and Wood Furniture Makers			
	Cabinetmaker	2		
	Furniture Builder			1
8595	Painting & Decorating Occupations, Except Construction			
	Production Helper			1
8781	Carpenters and Related Occupations			
	Apprentice Carpenter	10	4	6
	Carpenter	4	3	7
	Carpenter's Helper	1		
	Construction Carpenter			1
	Finishing Carpenter			1
	Laborer - Carpentry			1
8787	Roofing, Waterproofing & Related Occupations			
	Roofer			1
8798	Occupations in Labouring & Other Elemental Work, Other Construction Trades			
	Laborer - Construction			1
9315	Material-Handling Equipment Operators, n.e.c.			
	Fork Lift Operator			1
9888	Job Titles Not Provided			
	Servicer			1
		21	8	28

Course: **ADVANCED CARPENTRY (8781)**

Course Type: Certificate

Colleges Where Course Offered: Keewatin Community College

Course Description:

The Advanced Carpentry course is designed to prepare persons for employment in carpentry and woodworking. It is designed for individuals to learn the use of hand tools and power tools in the construction trade, to learn and apply the principles of construction such as concrete form construction, framing, pitch roof framing and stair building, and to learn the techniques of exterior and interior finishing, and cabinet work. Studies will be concentrated on the most practical and logical aspects of the topics.

Possible Employment Establishments:

- Furniture manufacturers
- Building contractors
- Building and woodworking supplies stores

SURVEY DATA FOR YEARS 1976-1978

Number of responses: 4

Number employed: 4

Number unemployed and seeking work: NIL

Number not seeking work: NIL

Percentage who found jobs in Winnipeg: NIL

Percentage who found jobs in rural Manitoba: 100.0

Percentage who found jobs outside Manitoba: NIL

Average weekly (hourly) earnings, 1977 grads: $207.00 ($4.93)

ADVANCED CARPENTRY

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	1977 Graduates
8581	Motor-Vehicle Mechanics and Repairers	
	Mechanic	1
8781	Carpenters and Related Occupations	
	Carpenter T.Q.	1
	Maintenance Carpenter	1
9888	Job Titles Not Provided	
	Hard Labourer	1
		4

Course: DESIGN AND DRAFTING TECHNOLOGY (2163)
Course Type: Two-year Diploma
Colleges Where Course Offered: Red River Community College

Course Description:

The Design and Drafting Technology course trains individuals in the techniques of the preparation and presentation of technical information. The design and drafting technologist is generally employed in the architectural and engineering fields where he/she prepares general assembly and detail drawings from sketches, specifications and notes in order to convey information from the designer to the fabricator, owner, financing agency, etc.

Possible Employment Establishments:

- Structural drafters
- Architectural firms
- Engineering firms
- Governments
- Building contractors
- Fabricators
- Service industries

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	26
Number employed:	23
Number unemployed and seeking work:	3
Number not seeking work:	NIL
Percentage who found jobs in Winnipeg:	87.0
Percentage who found jobs in rural Manitoba:	4.3
Percentage who found jobs outside Manitoba:	8.7
Average weekly (hourly) earnings, 1977 grads:	$192.94 ($5.09)

DESIGN AND DRAFTING TECHNOLOGY

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
2163	Draughtsman/woman			
	Architectural Draftsman/woman	3	2	3
	Design and Drafting Technologist			1
	Drafting Technician		1	
	Draftsman/woman, Estimator			1
	Mechanical Draftsman/woman			1
	Misc. Metal Draftsman/woman			1
	Structural Detailer	1		
	Structural Technician	1		
2165	Architectural & Engineering Technologists and Technicians			
	Architectural Technologist	1		1
	Project Coordinator - Engineering Technologist	1		
	Technical Designer Consultant			1
8796	Inspecting & Testing Occupations, Construction, Except Electrical			
	Building Examiner			1
		7	3	10

Course:	ARCHITECTURAL DRAFTING (2163)
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College Assiniboine Community College

Course Description:

The Architectural Drafting course has been designed to produce junior architectural technicians who can produce working drawings of how a building is to be constructed. The general responsibility of a junior architectural technician is to prepare drawings showing internal, external or other architectural features of office blocks, residential structures, industrial, commercial and other buildings. Other duties include: preparing preliminary sketches, estimating the type, quality and quantity of materials needed and computing costs. After gaining experience in their field, graduates may find employment as estimators, building inspectors, specification writers, technical representatives, construction supervisors or salespeople of building product lines.

Possible Employment Establishments:

- Consulting firms - architectural, engineering
- Telecommunications
- Private industries
- Government offices
- Surveyors
- Builders
- Land developers

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	98
Number employed:	86
Number unemployed and seeking work:	3
Number not seeking work:	9
Percentage who found jobs in Winnipeg:	60.5
Percentage who found jobs in rural Manitoba:	26.7
Percentage who found jobs outside Manitoba:	12.8
Average weekly (hourly) earnings, 1977 grads:	$181.33 ($4.55)

ARCHITECTURAL DRAFTING

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
1137	Sales & Advertising Management Occupations			
	Commercial Contract Sales Coordinator			1
2163	Draughtsman/woman			
	Architectural Draftsman/woman	2	5	6
	Cabinet Estimator		1	
	Carpenter/Draftsman/woman			1
	Contract Estimator/Draftsman/woman			1
	Drafting Clerk			1
	Drafting Detailer	1		
	Draftsman/woman	5	8	2
	Draftsman/woman/Installer			1
	Electrical Draftsman/woman	3	1	
	Engineering Aid	3		
	Engineering Draftsman/woman			1
	Junior Draftsman/woman	1	2	1
	Mechanical Draftsman/woman			1
	Technician I	1		
	Survey Draftsman/woman	1		1
	Window Draftsman/woman			1
2165	Architectural & Engineering Technologists and Technicians			
	Engineering Assistant	1		
	Estimator			1
	Steel and Building Estimator	1		
	Sub-Contractor		1	
	Sub-Contractor Estimator			1
3313	Product and Interior Designers			
	Garment Factory Artist		1	
4131	Bookkeepers and Accounting Clerks			
	Junior Bookkeeper			1
4143	Electronic Data-Processing Equipment Operators			
	Keypunch Operator			1
4171	Receptionists and Information Clerks			
	Receptionist	1		
4193	Travel Clerks, Ticket, Station & Freight Agents			
	Reservations Clerk			1
4199	Other Clerical & Related Occupations, n.e.c.			
	Order Filler		1	
	Order Service (Clerk)			1
5130	Supervisors: Sales Occupations, Commodities			
	Assistant Manager			1
5135	Salespersons, Commodities, n.e.c.			
	Floor Covering Salesperson			1
	Salesperson		1	
5137	Sales Clerks, Commodities			
	Sales Clerk			2
	Store Clerk		1	
6125	Food and Beverage Serving Occupations			
	Waiter/Waitress			1

ARCHITECTURAL DRAFTING (cont'd)

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
7113	Animal Farmers			
	Farmer			1
8213	Baking, Confectionary Making and Related Occupations			
	Baker's Helper	1		
8583	Rail Transport Equipment Mechanics & Repairers			
	Engine Watchman/woman		1	
8781	Carpenters and Related Occupations			
	Builder			1
8784	Plasterers and Related Occupations			
	Stucco Contractor			1
8799	Other Construction Trades Occupations, n.e.c.			
	Laborer - Highways			1
	Maintenance Repairer			1
9173	Taxi Drivers and Chauffeurs			
	Taxi-Driver		1	
9175	Truck Drivers			
	Truck Driver		2	
9315	Material-Handling Equipment Operators, n.e.c.			
	Storekeeper			1
9918	Occupations in Labouring & Other Elemental Work, n.e.c.			
	Machine Tender		1	
		—	—	—
		21	27	35

Course:	MECHANICAL SYSTEMS DRAFTING (2163)
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College - Mechanical Systems Drafting Assiniboine Community College - Engineering Drafting

Course Description:

The Mechanical Systems Drafting course has been designed to produce a junior to intermediate level technician who can produce working drawings of plumbing, heating, air conditioning and sprinkler systems required in buildings. As well as preparing detailed drawings, the mechanical systems drafting technician may calculate heat loss and gain for buildings and assist in determining equipment specifications. After gaining experience, graduates may find employment related to mechanical systems drafting as estimators, building inspectors, specification writers, technical representatives, construction supervisors or salespeople of building product lines.

Possible Employment Establishments:

- Mechanical consultants
- Engineering consultants
- Private industries
- Mines
- Railroads
- Airlines
- Refineries
- Chemical plants
- General machine shops
- Pulp and paper mills
- Hydro electric power stations

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	27
Number employed:	22
Number unemployed and seeking work:	4
Number not seeking work:	1
Percentage who found jobs in Winnipeg:	77.3
Percentage who found jobs in rural Manitoba:	9.1
Percentage who found jobs outside Manitoba:	13.6
Average weekly (hourly) earnings, 1977 grads:	$218.71 ($5.61)

MECHANICAL SYSTEMS DRAFTING

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
2163	Draughtsman/woman			
	Draftsman/woman			1
	Junior Designer			1
	Mechanical Draftsman/woman			2
	Mechanical Systems Draftsman/woman	3	4	
2165	Architectural and Engineering Technologists and Technicians			
	Civil Architectural & Structural Draftsman/woman	1		
	Engineering Technician	1		
	Industrial Engineering Analyst	1		
5135	Salespersons, Commodities, n.e.c.			
	Sales Technician	1		
5137	Sales Clerks, Commodities			
	Salesperson		1	
5171	Insurance Sales Occupations and Agents			
	Life Insurance Salesperson			1
7111	General Farmers			
	Farmer	1		
8526	Inspecting & Testing Occupations, Fabricating & Assembling Metal Products, n.e.c.			
	Instrument Technician	1		
8799	Other Construction Trades Occupations, n.e.c.			
	Floor Covering Contractor		1	
9533	Stationary Engine & Auxiliary Equipment Operating & Maintaining Occupations			
	Assistant Shift Engineer			1
	Servicer			1
		9	6	7

Course:	PAINTING AND DECORATING (8785)
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College

Course Description:

The Painting and Decorating course prepares individuals for occupations concerned with applying paint, varnish, stain, enamel or lacquer to decorate and protect interior or exterior surfaces, trimmings and fixtures of buildings and other structures. The Painter must remove old paint, fill and seal holes and cracks in surfaces, select premixed paints or prepare paint by mixing the appropriate additives and apply paint to surfaces using brush, roller or spray equipment. Other duties of painters include wood finishing and paper hanging.

Possible Employment Establishments:

- Painting and decorating businesses
- Painting contractors
- Governments
- Public utilities
- Manufacturing companies
- Paint supply stores

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	18
Number employed:	14
Number unemployed and seeking work:	4
Number not seeking work:	NIL
Percentage who found jobs in Winnipeg:	64.3
Percentage who found jobs in rural Manitoba:	21.4
Percentage who found jobs outside Manitoba:	14.3
Average weekly (hourly) earnings, 1977 grads:	$188.73 ($4.89)

PAINTING AND DECORATING

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
2731	Elementary and Kindergarten Teachers			
	Day Care Worker			1
4197	General Office Clerks			
	Clerk II			1
5135	Salespersons, Commodities, n.e.c.			
	Salesperson			1
6115	Guards & Related Security Occupations			
	Security Guard			1
6191	Janitors, Charworkers and Cleaners			
	Janitor			1
8581	Motor-Vehicle Mechanics & Repairers			
	Painter/Mechanic			1
8785	Painters, Paperhangers & Related Occupations			
	Apprentice Painter	1	2	
	Painter/Decorator			3
	Painter/Window Washer			1
8798	Occupations in Labouring & Other Elemental Work, Other Construction Trades			
	Construction Labourer			1
		1	2	11

Course:	**PIPING TRADES (PLUMBING) (8791)**
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College Assiniboine Community College

Course Description:

The Piping Trades (Plumbing) course has been designed to prepare individuals for occupations concerned with installing and repairing pipelines, plumbing and related equipment for water, gas, steam, sewage or other materials. Graduates of the Piping Trades (Plumbing) program may be granted credit towards the five-year plumbing apprenticeship. Many apprentice plumbers find employment with plumbing or heating contractors and with industrial maintenance. After reaching the journeyman/woman level, individuals are qualified to work as plumbers, steamfitters or pipefitters. Experienced journeymen/women may find employment as foremen/women, estimators, plumbing contractors or building inspectors.

Possible Employment Establishments:

Hydro stations
Plumbers and plumbing contractors
Plumbing supplies shop

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	43
Number employed:	41
Number unemployed and seeking work:	1
Number not seeking work:	1
Percentage who found jobs in Winnipeg:	78.1
Percentage who found jobs in rural Manitoba:	14.6
Percentage who found jobs outside Manitoba:	7.3
Average weekly (hourly) earnings, 1977 grads:	$253.21 ($5.97)

PIPING TRADES (PLUMBING)

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
4153	Shipping and Receiving Clerks			
	Plumbing Supplies Shipper	1		
6191	Janitors, Charworkers and Cleaners			
	Janitor	1		
8736	Inspecting & Testing Occupations: Electrical Power, Lighting & Wire Communications Equipment Erecting, Installing & Repairing			
	Electrical Maintenance Technician Trainee	1		
8780	Foreman/woman, Other Construction Trades Occupations			
	Concrete Foreman /woman			1
8791	Pipefitting, Plumbing and Related Occupations, n.e.c.			
	Apprentice Plumber	9	7	8
	Apprentice Plumber II			1
	Home Repairer			1
	Piping Trades			2
	Plumber			3
	Plumber III			1
	Plumber Helper			1
9175	Truck Drivers			
	Furniture Delivery Driver	1		
	Tractor Trailer Driver	1		
		14	7	18

Course:	MASONRY (8782)
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College

Course Description:

The Masonry course has been designed to train individuals in the art of brick laying. Graduates of the Masonry program may be granted credit towards the four-year masonry apprenticeship. After reaching the journeyman/woman level, individuals are qualified to work in occupations concerned with preparing and laying brick, stone, concrete block, tile, marble, refractory and related materials, using chisels, hammers, trowels, levels and other hand tools. Activities generally include mixing mortar, cutting materials to shape, laying out, aligning and setting materials. Journeymen/women may find employment as masons, foremen/women, estimators, draftspeople, contractors, building inspectors, maintenance people and sales representatives.

Possible Employment Establishments:

Masonry companies and contractors

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	12
Number employed:	10
Number unemployed and seeking work:	1
Number not seeking work:	1
Percentage who found jobs in Winnipeg:	90.0
Percentage who found jobs in rural Manitoba:	10.0
Percentage who found jobs outside Manitoba:	NIL
Average weekly (hourly) earnings, 1977 grads:	$254.00 ($6.41)

MASONRY

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
7195	Nursery and Related Workers			
	Labourers, Parks and Recreation			1
8711	Excavating, Grading & Related Occupations			
	Overhead Crane Operator			1
8782	Brick and Stone Masons & Tile Setters			
	Apprentice Bricklayer	1	1	1
	Apprentice Mason	2		1
	Bricklayer		1	
	Construction Bricklayer			1
		—	—	—
		3	2	5

Course:	UPHOLSTERY
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College

Course Description:

The Upholstery course has been designed to prepare individuals for occupations concerned with making, rebuilding and repairing various upholstered products such as chairs, sofas, automobile seats, cushions, mattresses, and casket interiors and exteriors. Activities generally include: spring construction, foam rubber application, cutting, sewing, covering, gluing, tacking, woodworking and wood surface refinishing. As well as the above, upholsterers in custom shops usually discuss fabrics, colour, style and cost with customers. Graduates of this course may also find employment as estimators, furniture salespeople and inspectors.

Possible Employment Establishments:

Furniture manufacturing companies
Custom upholstery shops

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	4
Number employed:	3
Number unemployed and seeking work:	NIL
Number not seeking work:	1
Percentage who found jobs in Winnipeg:	66.7
Percentage who found jobs in rural Manitoba:	33.3
Percentage who found jobs outside Manitoba:	NIL
Average weekly (hourly) earnings, 1977 grads:	$180.00 ($4.50)

UPHOLSTERY

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
8536	Inspecting & Testing Occupations: Fabricating, Assembling, Installing & Repairing Electrical Electronic & Related Equipment			
	Electronics Inspector/Tester		1	
8562	Upholsterers			
	Furniture Upholsterer			1
	Upholstery Shop Owner		1	
			2	1

Course: WELDING (8335)

Course Type: Certificate

Colleges Where Course Offered:
Red River Community College
Assiniboine Community College
Keewatin Community College (2-month course)

Course Description:

The Welding course has been designed to prepare individuals for occupations concerned with joining, surfacing, cutting or otherwise fabricating and repairing ferrous and non-ferrous metal parts and structures. Activities generally include setting up and operating gas or electric welding, soldering, brazing and cutting equipment, and joining or shaping lead products or parts, using a gas torch. Many graduates seek employment in the areas of aircraft maintenance, manufacturing of farm equipment and heavy equipment repairs.

Possible Employment Establishments:

- Welding shops
- Manufacturers
- Concrete companies
- Steel fabrication industry
- Hydro electric construction
- Pipeline construction and maintenance
- Highway construction
- Other private industries

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	53
Number employed:	49
Number unemployed and seeking work:	3
Number not seeking work:	1
Percentage who found jobs in Winnipeg:	44.9
Percentage who found jobs in rural Manitoba:	40.8
Percentage who found jobs outside Manitoba:	14.3
Average weekly (hourly) earnings, 1977 grads:	$256.92 ($5.82)

WELDING
ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES
1-YEAR FOLLOWING GRADUATION

		Graduates		
CCDO	GRADUATES' REPORTED JOB TITLES	1975	1976	1977
1179	Occupations Related to Management and Administration, n.e.c.			
	Road and Stage Manager	1		
3157	Dental Hygienists, Assistants & Technicians			
	Trainee/Set-Up Person - Dental Lab			1
4161	Library and File Clerks			
	Video Tape Librarian	1		
5145	Service Station Attendants			
	Service Attendant			1
7111	General Farmers			
	Farmer			3
7198	Occupations in Labouring & Other Elemental Work: Farming, Horticulture & Animal Husbandry			
	Farm Labourer	1		1
7313	Fisherman/woman: Net, Trap and Line			
	Commerical Fisherman/woman			1
8238	Occupations in Labouring & Other Elemental Work: Wood Processing, Except Paper Pulp			
	Saw Mill Labourer	1		
8299	Other Processing Occupations, n.e.c.			
	Labourer			1
8333	Sheet-Metal Workers			
	Sheet Metal Worker			1
8335	Welding and Flame Cutting Occupations			
	Apprentice Welder		1	
	Arc Welder			1
	Fabrication Welder	1		
	Layout Burner/Torch Cutter			1
	Production Welder			1
	Shop Welder			1
	Spot Welder			1
	Tig Welder			1
	Track Maintenance Welder			1
	Welder	1	3	8
	Welder Fitter	1		2
	Welding Shop Owner			1
8583	Rail Transport Equipment Mechanics & Repairers			
	Car Worker Trainee			2
8584	Industrial, Farm & Construction Machinery Mechanics and Repairers			
	Diesel Technician			1
	Farm Machinery Repairer			1
8598	Occupations in Labouring & Other Elemental Work: Product Fabricating, Assembling and Repairing, n.e.c.			
	General Factory Helper	1		
8711	Excavating, Grading & Related Occupations			
	Utility Person IV			1

WELDING (cont'd)

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
8733	Construction Electricians & Repairers			
	Electrician's Helper		1	
8780	Foreman/woman, Other Construction Trades Occupations			
	Bridge Foreman/woman			1
9133	Conductors and Brake Workers, Railway			
	Brake Worker	1		
9888	Job Titles Not Provided			
	Traffic Servicer			1
		9	5	34

Course:	SHEET METAL
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College

Course Description:

The Sheet Metal course is designed to provide the necessary skill and knowledge of sheet metal design, fabrication, and installation for the graduate to be able to find work. Successful completion of the course qualifies the graduate for a certificate of attainment. Sheet metal workers fabricate their finished products from flat sheets, using patterns they develop themselves. Graduates can work in domestic, commercial, and industrial areas of heating, ventilation, and air conditioning industries.

Possible Employment Establishments:

Stainless steel kitchen and refrigeration equipment manufacturers
Commercial sign making companies
Aircraft industry

SURVEY DATA FROM 1977 GRADUATES

Number of responses:	8
Number employed:	5
Number unemployed and seeking work:	NIL
Number not seeking work:	3
Percentage who found jobs in Winnipeg:	100.0
Percentage who found jobs in rural Manitoba:	NIL
Percentage who found jobs outside Manitoba:	NIL
Average weekly (hourly) earnings, 1977 grads:	$196.80 ($4.92)

SHEET METAL

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	1977 Graduates
8330	Foreman/woman, Metal Shaping & Forming Occupations, Except Machining	
	Production Worker "A" Lead Hand	1
8333	Sheet-Metal Workers	
	Sheet Metal Worker	1
8334	Metalworking-Machine Operators, n.e.c.	
	Brake Operator (Machinist)	1
8511	Engine and Related Equipment Fabricating and Assembling Occupations, n.e.c.	
	Turbo Assembler	1
8799	Other Construction Trades Occupations, n.e.c.	
	Eavestrough and Siding Installer	1
		5

Course:	MACHINE SHOP PRACTICE (8313)
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College Assiniboine Community College

Course Description:

The Machine Shop Practice course prepares individuals for occupations concerned with setting up and operating various machine tools to shape metal into parts or products of specified dimensions. After successfully completing Term I, a student may find employment as a machine tool operator, a machinist's helper or a machine shop inspector. A student who successfully completed Term II is qualified to work as a more advanced machine tool operator or as an apprentice machinist in a variety of areas. Activities generally include: measuring, laying out and setting up workpieces; making mathematical computations and reading mechanical drawings; machining work to specifications by boring, milling, turning, sawing, precision grinding, and planning and associated fitting, assembling and repairing of metal parts; setting up machine tools for less skilled operators to perform repetitive work and checking samples of first-run workpieces; and machining of other materials when methods applied to metal machining are used.

Possible Employment Establishments:

- Manufacturers
- Machine shops
- Engine shops
- Pulp and paper mills
- Aircraft, automotive, mining, manufacturing, and repairing
- Hospitals
- Construction industry

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	41
Number employed:	36
Number unemployed and seeking work:	3
Number not seeking work:	2
Percentage who found jobs in Winnipeg:	61.1
Percentage who found jobs in rural Manitoba:	27.8
Percentage who found jobs outside Manitoba:	11.1
Average weekly (hourly) earnings, 1977 grads:	$220.00 ($5.75)

MACHINE SHOP PRACTICE

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
2147	Mechanical Engineers			
	Shop Labourer		1	
2165	Architectural Engineering Technologists and Technicians			
	Biomedical Machinist		1	
4155	Stock Clerks and Related Occupations			
	Parts Clerk	1		
5135	Salespersons, Commodities, n.e.c.			
	Sales Clerk	1		
5137	Sales Clerks, Commodities			
	Grocery Store Clerk	1		
7719	Mining & Quarrying Including Oil and Gas Field Occupations, n.e.c.			
	Underground Miner		1	
8148	Occupations in Labouring & Other Elemental Work, Metal Processing			
	General Labourer	1		
8311	Tool and Die Making Occupations			
	Tool and Die Maker			1
	Tool Maker Apprentice			1
8313	Machinist and Machine-Tool Setting-Up Occupations			
	Apprentice Machinist	3	5	5
	Machinist	3	2	
	Machinist Helper III	1		
8315	Machine-Tool Operating Occupations			
	Machine Operator		1	
8371	Cutting & Shaping Occupations: Clay, Glass Stone and Related Materials			
	Machine Operator	1		
8581	Motor-Vehicle Mechanics and Repairers			
	Automobile Mechanic		1	
8582	Aircraft Mechanics and Repairers			
	Aircraft Machine Shop Trainee	1		
8589	Other Mechanics and Repairers, n.e.c.			
	Servicer		1	
8799	Other Construction Trades Occupations, n.e.c.			
	Maintenance Worker		1	
9175	Truck Drivers			
	Truck Driver			1
		13	14	8

Course: **MACHINE DRAFTING (2163)**
Course Type: Certificate
Colleges Where Course Offered: Red River Community College

Course Description:

The Machine Drafting course has been designed to produce junior technicians who can produce working drawings of industrial machines, machine parts, engines, tools and other mechanical equipment. Activities generally include drafting general assembly and detail drawings of gears, levers, pulleys and reduction gears indicating dimensions and tolerance, fasteners and joining requirements and other engineering data. Other duties of machine drafting technicians include the preparation of working drawings showing methods of manufacture, joining and fastening. After gaining experience, graduates may find employment as technical representatives or salespeople for metal working equipment and products and also as shop inspectors and estimators.

Possible Employment Establishments:

- Electrical engineering consultants
- Governments
- Farm machinery manufacturers
- Tool and die production shops
- Electrical parts manufacturers
- Other private industries

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	19
Number employed:	15
Number unemployed and seeking work:	2
Number not seeking work:	2
Percentage who found jobs in Winnipeg:	93.3
Percentage who found jobs in rural Manitoba:	6.7
Percentage who found jobs outside Manitoba:	NIL
Average weekly (hourly) earnings, 1977 grads:	$181.15 ($4.80)

MACHINE DRAFTING

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
2161	Surveyors			
	Land Surveyor	1		
2163	Draughtsman/woman			
	Drafting Technician	2		
	Draftsman/woman			1
	Intermediate Draftsman/woman	2		
	Junior Draftsman/woman (Machine)			1
	Junior Mechanical Draftsman/woman			1
	Machine Draftsman/woman			1
	Mechanical Draftsman/woman	2	1	
	Profile Extrusion Draftsman/woman		1	
	Re-Bar Detailer			1
	Structural Detailer			1
		—	—	—
		7	2	6

Course:	MINERAL SCIENCES TECHNICIAN/TECHNOLOGY (2165)
Course Type:	Certificate (Technician Course) or Diploma (Technology Course)
Colleges Where Course Offered:	Keewatin Community College

Course Description:

The Mineral Sciences Technician course is a general introductory certificate course to the fields of mining, geology and extractive metallurgy. Graduates of this course may find employment as mine surveyors and draftspersons, base metal assayers, geology assistants and mill technicians. The program is a prerequisite to the Mineral Sciences Technology course which prepares individuals for supervisory positions, primarily in support of design and development in areas of employment similar to the above. The main responsibility of a mineral sciences technologist is assisting in underground and surface mining activities such as planning and surveying, stops developments, developing improved production-drilling techniques, mine ventilation layout, and ore-dressing metallurgy and metal refiring.

Possible Employment Establishments:

Mining companies

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	4
Number employed:	4
Number unemployed and seeking work	NIL
Number not seeking work:	NIL
Percentage who found jobs in Winnipeg:	33.33
Percentage who found jobs in rural Manitoba:	33.3
Percentage who found jobs outside Manitoba:	33.3
Average weekly earnings, 1976 grads:	$273.65

MINERAL SCIENCES TECHNOLOGY

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
2117	Physical Sciences Technologists & Technicians			NOT OFFERED
	Mine Geologist		1	
2161	Surveyors			
	Surveyor's Assistant		1	
7719	Mining & Quarrying Including Oil and Gas Field Occupations, n.e.c.			
	Underground Shift Boss	1		
8798	Occupations in Labouring & Other Elemental Work, Other Construction Trades			
	Construction Labourer		1	
		1	3	

Course: COMPUTER TECHNOLOGY (8535, 2183, 2165)
Course Type: Two-year Diploma
Colleges Where Course Offered: Red River Community College
Assiniboine Community College

Course Description:

The Computer Technology course prepares individuals for occupations concerned with both the hardware and software aspects of the computer industry. Graduates may find employment as customer engineers or maintenance personnel for installers of computer systems. Activities generally include: installing duties such as mounting, securing, interconnecting and adjusting assemblies and units; repairing duties such as disassembling, fault locating and diagnosis, replacing components and reassembling equipment. Graduates may also find employment as computer application technologists with industries using computers in process control and scientific application. Here activities usually include analyzing computer systems and providing advice on availability and use of electronic data processing resources, capabilities and technological development.

Possible Employment Establishments:

- Computer manufacturing & maintenance
- Telephone systems
- Camera manufacturers
- Hydro electric stations
- Banks
- Post Office
- Other private business

SURVEY DATA FOR YEARS 1976-1978

Number of responses: 33
Number employed: 28
Number unemployed and seeking work: 3
Number not seeking work: 2

Percentage who found jobs in Winnipeg: 71.4
Percentage who found jobs in rural Manitoba: 10.7
Percentage who found jobs outside Manitoba: 17.9

Average weekly (hourly) earnings, 1977 grads: $228.63 ($5.79)

COMPUTER TECHNOLOGY

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
2131	Agriculturists and Related Scientists			
	Field Service Representative	1		
2144	Electrical Engineers			
	Engineering Technologist	1		
2165	Architectural & Engineering Technologists and Technicians			
	Electronic Technician			1
	Job Engineer	1		
	Senior Industrial Mechanic		1	
	Technologist	1		
	Telecontrol Technician	1		
2183	Systems Analysts, Computer Programmers and Related Occupations			
	Field Service Technician II	1		
	Programmer			1
4143	Electronic Data-Processing Equipment Operators			
	Computer Operator		3	
	Computer Technologist			1
	Data Processing Customer Engineer			1
5131	Technical Salesperson and Related Advisers			
	Sales Manager	1		
	Salesperson		1	
7195	Nursery and Related Workers			
	Nursery Attendant	1		
8535	Electronic & Related Equipment Installing and Repairing Occupations, n.e.c.			
	Communications Technician	1		
	Computer Technologist			2
	Customer Engineer			1
	Equipment Service Representative	1	1	
	Field Engineer/Technician			1
	Technician I			1
8536	Inspecting & Testing Occupations: Fabricating, Assembling, Installing & Repairing Electrical, Electronic & Related Equipment			
	Computer Servicer	1		
	Computer Technical Representative	1		
8586	Inspecting & Testing Occupations, Equipment Repair, n.e.c.			
	Telecontrol Technician Trainee		1	
		12	7	9

Course:	ELECTRONIC TECHNOLOGY (2165)
Course Type:	Two-year Diploma
Colleges Where Course Offered:	Red River Community College Assiniboine Community College

Course Description:

The Electronic Technology course prepares individuals for occupations concerned with performing technological functions in various aspects of electronic engineering, primarily in support of research, design and development. Activities include: determining circuit-layouts, designing signal circuits, constructing prototypes from approved sketches or drawings, installing circuitry, evaluating performance and reliability of prototypes and devising and modifying electronic testing instruments. Students who choose to terminate training after one year of the course receive an Electronic Technician's Certificate. Employment opportunities as a technician or technologist exist in research, installation, maintenance, design, production, building, testing and industrial marketing of electronic equipment.

Possible Employment Establishments:

- Air transportation
- Telecommunications - telephone, radio, television
- Universities
- Equipment repair services
- Electrical equipment manufacturers
- Governments
- Hydro electric power stations
- Post office
- Music stores
- Hospitals

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	110
Number employed:	105
Number unemployed and seeking work:	2
Number not seeking work:	3
Percentage who found jobs in Winnipeg:	81.9
Percentage who found jobs in rural Manitoba:	14.3
Percentage who found jobs outside Manitoba:	3.8
Average weekly (hourly) earnings, 1977 grads:	$240.93 ($5.86)

ELECTRONIC TECHNOLOGY

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
1137	Sales & Advertising Management Occupations			
	Audio Retail Corp. President			1
1145	Management Occupations, Construction Operations			
	Industrial and Commercial Contractor	1		
2144	Electrical Engineers			
	Audio Engineer			1
	Technologist		2	
2147	Mechanical Engineers			
	Mechanical Engineer	1		
2165	Architectural & Engineering Technologists and Technicians			
	Associate Engineer	1		
	Circuit Layout Designer	1		
	Communications Technician	1		
	Electronic Engineering Technologist			1
	Electronic Equipment Assembler	1		
	Electronic Technician	5	2	9
	Electronic Technologist	3	3	1
	Engineering Associate			1
	Engineering Technologist	1		
	Engineering Trainee	1		
	Equipment Engineer			1
	Industrial Engineering Technician		1	
	Job Engineer	1		1
	Medical Electronic Technologist			1
	Postal Systems Technician			2
	Technician II			1
	Technical Trainee	1		
	Test Technician		1	
	Traffic Signals Technician		1	
	Transmitter Technician	1		
4192	Adjusters, Claim			
	Field Service Representative		1	
5131	Technical Salesperson & Related Advisers			
	Inside Sales Clerk			1
5137	Sales Clerks, Commodities			
	Grocery Store Clerk	1		
	Food Clerk			1
5179	Sales Occupations: Services, n.e.c.			
	Service Representative		1	
6111	Fire-Fighting Occupations			
	Fire Fighter		1	
7197	Farm-Machinery Operators and Custom Operators			
	Sod Worker			1
8530	Foreman/woman: Fabricating, Assembling, Installing & Repairing Occupations, Electrical, Electronic & Related Equipment			
	Electronic Test Supervisor			1
	Manufacturing Group Foreman/woman			1

ELECTRONIC TECHNOLOGY (cont'd)
ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES
1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates 1975	 1976	 1977
8533	Electrical & Related Equipment Installing and Repairing Occupations, n.e.c.			
	Dialysis Technologist			1
	Laboratory Equipment Servicer	1		
8535	Electronic & Related Equipment Installing and Repairing Occupations, n.e.c.			
	Automatic Plant Technician			1
	Broadcast Engineer	1		
	Computer Technician		1	
	Field Service Representative			1
	Radio Technician		1	
	Service Representative	1		
	Systems Technician & Mechanic		1	
	Technical Services Representative			1
	Telecontrol Technician	3	2	2
	Telecontrol Technician Trainee			4
	Television Maintenance Technician			1
8536	Inspecting & Testing Occupations: Fabricating, Assembling, Installing & Repairing Electrical, Electronic & Related Equipment			
	Final Test Technician			1
	Testing and Regulating Technician	1		
8537	Radio and Television Service Repairers			
	Radio Technologist		1	
	Service Technician	1		1
	Television Technician			1
8582	Aircraft Mechanics and Repairers			
	Avionics Technician	1		1
8735	Wire Communications & Related Equipment Installing & Repairing Occupations			
	Radio Technician	1		
	Telephone Installer			1
9113	Air Transport Operating Support Occupations			
	Console Operator	1		
9551	Radio & Television Broadcasting Equipment Operators			
	Operator Technician	1		
9559	Electronic & Related Communications Equipment Operating Occupations, n.e.c.			
	Radio Inspector	5	2	1
	Telecommunications Regulatory Insp.		1	
		37	22	42

Course:	TELECOMMUNICATIONS (9551, 9559)
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College

Course Description:

The Telecommunications course prepares individuals for occupations concerned with monitoring, controlling and operating radio and telecommunications equipment. Activities include activating, controlling and adjusting equipment used to transmit and receive messages. Graduates may be employed with telephone and telecommunication companies as installers, trouble-shooters and maintenance people, or with manufacturers of telecommunications equipment as installers, service technicians and technical sales representatives.

Possible Employment Establishments:

- Broadcasting corporations
- Radio communications
- Railway companies
- Telephone companies
- Banks - data centres
- Telecommunication companies

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	27
Number employed:	25
Number unemployed and seeking work:	1
Number not seeking work:	1
Percentage who found jobs in Winnipeg:	72.0
Percentage who found jobs in rural Manitoba:	12.0
Percentage who found jobs outside Manitoba:	16.0
Average weekly (hourly) earnings, 1977 grads:	$257.46 ($6.49)

TELECOMMUNICATIONS

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
2165	Architectural & Engineering Technologists and Technicians			
	Electronic Technician			1
4143	Electronic Data-Processing Equipment Operators			
	Computer Operator		1	
4153	Shipping and Receiving Clerks			
	Supply Specialist			1
5130	Supervisors: Sales Occupations, Commodities			
	Manager & SalesPerson - Recreational Vehicle Parts		1	
6191	Janitors, Charworkers and Cleaners			
	Janitor		1	
8533	Electrical & Related Equipment Installing and Repairing Occupations, n.e.c.			
	Transmitter Technician	1		
8535	Electronic & Related Equipment Installing and Repairing Occupations, n.e.c.			
	Equipment Technician			1
8536	Inspecting & Testing Occupations: Fabricating, Assembling, Installing, & Repairing Electrical, Electronic and Related Equipment			
	Tester Trainee		1	
8537	Radio & Television Service Repairers			
	Electronic Technician			1
	Radio Technician	1		
8585	Business & Commercial Machine Mechanics and Repairers			
	Central Office Worker		1	
8735	Wire Communications & Related Equipment Installing & Repairing Occupations			
	Apprentice Central Office Worker			1
	Central Office Worker			2
	Communications Analyst		1	
	Communications Technician	1	1	1
	District Line Installer/Repairer	1		
	General Apprentice			1
	Plant Technician			1
	Switchman Apprentice			1
	Technical Service Representative		1	
	Telephone Technician			1
		4	8	12

Course:	DOMESTIC ELECTRONICS (RADIO, T.V.) (8537, 8533)
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College

Course Description:

The Domestic Electronics course prepares individuals for occupations concerned with repairing radio and television receivers, records, phonographs, and related equipment. Activities generally include: disassembling, adjusting and calibrating; soldering and replacing parts, modules and assemblies; using a variety of common and special hand tools and electronic equipment.

Possible Employment Establishments:

- Radio and television sales and service
- Audio communications services
- Appliance manufacturers
- Retail stores - service departments
- Telecommunications
- Music stores
- Hospitals

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	39
Number employed:	35
Number unemployed and seeking work:	3
Number not seeking work:	1
Percentage who found jobs in Winnipeg:	91.4
Percentage who found jobs in rural Manitoba:	NIL
Percentage who found jobs outside Manitoba:	8.6
Average weekly (hourly) earnings, 1977 grads:	$205.74 ($5.26)

DOMESTIC ELECTRONICS (RADIO, T.V.)
ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES
1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates 1975	 1976	 1977
2165	Architectural & Engineering Technologists and Technicians			
	Field Engineer		1	
	Industrial Electronics Technician		1	
3159	Other Occupations in Medicine & Health, n.e.c.			
	Dialysis Technician		1	
4155	Store Clerks and Related Occupations			
	Airline Storekeeper V			1
5130	Supervisors: Sales Occupations, Commodities			
	Television Shop Owner & Manager		1	
6115	Guards and Related Security Occupations			
	Security Patrol		1	
7111	General Farmers			
	Farmer	1		
8533	Electrical & Related Equipment Installing and Repairing Occupations, n.e.c.			
	Applicance Repairer	1		
	Audio Technician	1		
	Electrical Maintenance Trainee	1		
	Tool Repairer		1	
8534	Electronic Equipment Fabricating and Assembling Occupations			
	Assembler-Class I	1		
	Telephone Equipment Assembler	1		
8535	Electronic & Related Equipment Installing and Repairing Occupations, n.e.c.			
	Cable Television Maintenance Technician		1	
	Electronic Organ Technician			1
	Television and Radio Technician		1	
8537	Radio and Television Service Repairers			
	Audio Technician			1
	Electronic Technician	2		2
	Junior Electronic Technician			1
	Television and Radio Repairer			1
	Television Technician	3		3
8583	Rail Transport Equipment Mechanics & Repairers			
	C.N. Car Worker			1
8733	Construction Electricians and Repairers			
	Apprentice Electrician	1		
8735	Wire Communications & Related Equipment Installing and Repairing Occupations			
	Equipment Technician			1
	Plant Technician			1
		12	8	13

Course:	RADIO OPERATING AND ELECTRONIC COMMUNICATIONS (9199, 9551, 9559)
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College

Course Description:

The Radio Operating and Electronic Communications course prepares individuals for occupations concerned with monitoring, controlling and operating radio broadcast equipment. Activities generally include: transmitting messages for morse code, keeping logs of messages received and transmitted, operating direction-finding equipment, maintaining radio and associated equipment. Other duties may include observing and recording weather conditions, and encoding and transmitting weather data.

Possible Employment Establishments:

- Governments
- Oceanography institutes
- Marine shipping
- R.C.M.P. - communications branch
- Weather stations
- Railways
- Airlines and air traffic control

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	21
Number employed:	16
Number unemployed and seeking work:	1
Number not seeking work:	4
Percentage who found jobs in Winnipeg:	43.7
Percentage who found jobs in rural Manitoba:	18.8
Percentage who found jobs outside Manitoba:	37.5
Average weekly (hourly) earnings, 1977 grads:	$235.56 ($5.14)

RADIO OPERATING AND ELECTRONIC COMMUNICATIONS

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
2791	Community College & Vocational School Teachers			
	Facilitator Trainee	1		
5135	Salespersons, Commodities, n.e.c.			
	Parts and Sales Person			1
5172	Real Estate Sales Occupations			
	Real Estate Sales Agent			1
6115	Guards and Related Security Occupations			
	Plant Security Officer		1	
8534	Electronic Equipment Fabricating and Assembling Occupations			
	Electronics Assembler			1
8735	Wire Communications & Related Equipment Installing & Repairing Occupations			
	Telecommunications Installer			1
8781	Carpenters and Related Occupations			
	Carpenter			1
9113	Air Transport Operating Support Occupations			
	Air Radio Operator			1
	Radio Operator	2		1
9159	Water Transport Operating Occupations, n.e.c.			
	Marine Radio Officer	1	3	
9531	Power Station Operators			
	Technical Operator			1
9559	Electronic & Related Communications Equipment Operating Occupations, n.e.c.			
	Radar Console Operator			1
		4	4	9

Course:	COLOR TELEVISION (8537)
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College

Course Description:

The Domestic Electronics course prepares individuals for occupations concerned with repairing radio and television receivers, recorders, phonographs and related equipment. Activities generally include : disassembling, adjusting, and calibrating; soldering and replacing parts, modules and assemblies; using a variety of common and special hand tools and electronic equipment.

Upon attainment of a certificate in Domestic Electronics, graduates are eligible to continue in a Color Television certificate course wiich is two months in duration. The couse includes: NTSC Standards for Colour Television, controls and adjustments, monochrome circuits, chroma circuits and color sync.

Possible Employment Establishments:

- Television manufacturers' service depots
- Retail outlet service departments
- Electronic wholesale and distributors
- Color television service shops

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	12
Number employed:	9
Number unemployed and seeking work:	2
Number not seeking work:	1
Percentage who found jobs in Winnipeg:	88.9
Percentage who found jobs in rural Manitoba:	11.1
Percentage who found jobs outside Manitoba:	NIL
Average weekly (hourly) earnings, 1977 grads:	$187.22 ($4.42)

COLOR TELEVISION

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	1977 Graduates
3332	Musicians	
	Musician	1
4155	Stock Clerks and Related Occupations	
	Airline Storekeeper #5	1
8533	Electrical & Related Equipment Installing and Repairing Occupations, n.e.c.	
	Audio Technician	2
8537	Radio and Television Service Repairers	
	Electronics Technician	3
	T.V. Technician	1
8733	Construction Electricians and Repairers	
	Electrician's Apprentice	1
		9

Course:	INDUSTRIAL ELECTRONICS (8535)
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College

Course Description:

The Industrial Electronics course prepares individuals for occupations concerned with installing and repairing electronic equipment, such as radio and television broadcast transmitters, sound recording and reproduction equipment, radar equipment, and analyzing and computing equipment. Graduates may find employment in several fields such as service and maintenance of control equipment in production plants; laboratory and testing situations involving electronic controls and instrumentation; and any other area of industry where electronic control and devices are used and require maintenance and servicing. Graduates may also find employment in related support occupations such as sales, equipment representatives, parts merchandising and supervisory posts.

Possible Employment Establishments:

- X-ray equipment manufacturer and service
- Radio stations
- Governments
- Business machines servicing
- Typewriter servicing
- Railways - communications

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	23
Number employed:	22
Number unemployed and seeking work:	NIL
Number not seeking work:	1
Percentage who found jobs in Winnipeg:	68.2
Percentage who found jobs in rural Manitoba:	13.6
Percentage who found jobs outside Manitoba:	18.2
Average weekly (hourly) earnings, 1977 grads:	$245.42 ($6.01)

INDUSTRIAL ELECTRONICS
ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES
1-YEAR FOLLOWING GRADUATION

		Graduates		
CCDO	GRADUATES' REPORTED JOB TITLES	1975	1976	1977
2165	Architectural & Engineering Technologists and Technicians			
	Electronic Technician	1	1	
4131	Bookkeepers and Accounting Clerks			
	Bookkeeper		1	
8530	Foreman/woman: Fabricating, Assembling, Installing & Repairing Occupations, Electrical Electronic & Related Equipment			
	Electronic Technician II/Section Leader			1
8533	Electrical & Related Equipment Installing and Repairing Occupations, n.e.c.			
	Electrical Installer			1
	Electro-mechanical Service Technician	1		
	Service Technician		2	
8535	Electronic & Related Equipment Installing and Repairing Occupations, n.e.c.			
	Dictating Machine Service Technician	1		
	X-ray Service Engineer	1		
8536	Inspecting & Testing Occupations: Fabricating Assembling, Installing & Repairing Electrical, Electronic & Related Equipment			
	Electronic Technician			1
	Lab Technician			1
8584	Industrial, Farm & Construction Machinery Mechanics and Repairers			
	Technical Representative			1
8585	Business & Commercial Machine Mechanics and Repairers			
	Business Communications Machines Repairer	1		
8589	Other Mechanics and Repairers			
	Field Service Representative		2	
8735	Wire Communications & Related Equipment Installing & Repairing Occupations			
	Automatic Plant Technician			1
	General Technician		1	
	Plant Technician			2
	Telecommunications Technician		1	
9551	Radio & Television Broadcasting Equipment Operators			
	Assistant Chief Engineer	1		
		6	8	8

Course: ELECTRICAL TECHNOLOGY (2165)
Course Type: Two-year Diploma
Colleges Where Course Offered: Red River Community College
Assiniboine Community College

Course Description:

The Electrical Technology course prepares individuals for occupations concerned with performing technology functions in various aspects of electrical engineering, primarily in support of research, development and design. Activities of the Electrical Technologist include: assisting with design and drawing equipment installation, distribution layouts and profile drawings for transmission lines, underground stations and other distribution facilities; making sag and tension calculations; making periodic inspections of construction and providing technical advice to contractors; compiling and analyzing data; modifying new electrical equipment to correct functional deviations; providing advice on good lighting practices, etc. Job opportunities exist as draftsmen/women, testers, estimators, research assistants, instrument technicians, developing technicians, planners and installation consultants.

Possible Employment Establishments:

- Hydro electric power stations
- Universities
- Electrical parts manufacturers
- Telecommunications offices
- Consulting engineers
- Contractors
- Distributors
- Government agencies

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	38
Number employed:	35
Number unemployed and seeking work:	NIL
Number not seeking work:	3
Percentage who found jobs in Winnipeg:	65.7
Percentage who found jobs in rural Manitoba:	2.9
Percentage who found jobs outside Manitoba:	31.4
Average weekly (hourly) earnings, 1977 grads:	$305.55 ($7.51)

ELECTRICAL TECHNOLOGY
ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES 1-YEAR FOLLOWING GRADUATION

		Graduates		
CCDO	GRADUATES' REPORTED JOB TITLES	1975	1976	1977
2163	Draughtsman/woman			
	Electrical Draftsman/woman			1
	Junior Designer		1	
2165	Architectural & Engineering Technologists and Technicians			
	Control Operator	1		
	Electrical Technician Trainee II	1		
	Electronic Technician		1	
	Engineering Assistant	2	1	
	Engineering Technician			1
	Engineering Technologist	1		
	Relay & Meter Engineering Technician	2		
	Research and Designer			1
4131	Bookkeepers and Accounting Clerks			
	Information Clerk - Sales Quotations	1		
4191	Collectors			
	Quotation Clerk		1	
5131	Technical Salesperson & Related Advisers			
	Sales Representative		1	
8533	Electrical & Related Equipment Installing and Repairing Occupations, n.e.c.			
	Electrical Apparatus Service Rep.	1		
	Electrical Maintenance Trainee	1		
8535	Electronic & Related Equipment Installing and Repairing Occupations, n.e.c.			
	Apprentice Electrician	1		
	Electrical Technologist	1		
	Service Technician			1
8731	Electrical Powerline Workers and Related Occupations			
	District Servicer			1
	Sales Representative			1
8733	Construction Electricians & Repairers			
	Electrical Estimator			1
	Maintenance Electrician			1
8739	Electrical Power, Lighting & Wire Communications Equipment Erecting, Installing & Repairing Occupations, n.e.c.			
	Apprentice Operator			1
	Assistant Relay Technician		1	
	Electrical Maintenance Technician Trainee	1	1	2
	Relay & Metering Technician			1
	Relay & Metering Technician Trainee			1
	Relay & Metering Technologist			1
9133	Conductors & Brake Workers, Railway			
	Train Employee		1	
		13	8	14

Course:	INSTRUMENTATION TECHNOLOGY (2165)
Course Type:	Two-year Diploma
Colleges Where Course Offered:	Red River Community College Assiniboine Community College

Course Description:

The Instrumentation Technology course prepares individuals for occupations concerned with performing technological functions in various aspects of electronic, mechanical and electromechanical engineering. Activities of an instrumentation technologist generally include developing, installing, calibrating, trouble-shooting and repairing instruments and control systems. There are two main areas of employment. Graduates may find employment in designing, manufacturing and selling of engineering, laboratory, scientific and optical instruments for private firms, or in industries such as chemical, petroleum, paper making, electrical, atomic energy and air transport.

Possible Employment Establishments:

Atomic energy plants
Coal mines
Pulp and paper plants
Electrical utility plants
Air transport
Engineering firms

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	15
Number employed:	15
Number unemployed and seeking work:	NIL
Number not seeking work:	NIL
Percentage who found jobs in Winnipeg:	20.0
Percentage who found jobs in rural Manitoba:	26.7
Percentage who found jobs outside Manitoba:	53.3
Average weekly (hourly) earnings, 1977 grads:	$259.86 ($6.69)

INSTRUMENTATION TECHNOLOGY

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
1116	Inspectors & Regulatory Officers, Government			
	Electricity & Gas Technical Inspector			1
2163	Draughtsman/woman			
	Electrical Draftsman/woman	1		
2165	Architectural & Engineering Technologists and Technicians			
	Electronic Technician		1	
5133	Commercial Travellers			
	Engineering Sales			1
8533	Electrical & Related Equipment Installing and Repairing Occupations, n.e.c.			
	Dialysis Technologist			1
8584	Industrial, Farm & Construction Machinery Mechanics and Repairers			
	Industrial Millright		1	
8588	Precision Instrument Mechanics & Repairers			
	Instrument Mechanic	1	1	2
	Instrument Technologist		1	
	Instrumentation Apprentice			1
	Instrumentation Technician	1		
8735	Wire Communications & Related Equipment Installing and Repairing Occupations			
	Service Technician			1
		3	4	7

Course: ELECTRICAL (CONSTRUCTION/GENERAL) (2165)

Course Type: Certificate

Colleges Where Course Offered: Red River Community College
Assiniboine Community College
Keewatin Community College

Course Description:

The Electrical (Construction/General) course prepares individuals for occupations concerned with performing technical functions in various aspects of electrical engineering, primarily in support of installation, operation, maintenance, production, and quality control. Activities of the electrical technician include: maintaining power-generation and distribution equipment, assembling prototypes or final assemblies of protected relays, metering and indicating devices and other electrical equipment, assembling, installing, testing and calibrating electrical-testing equipment, assisting corrosion engineers, and making recommendations to improve lighting arrangements. Students who successfully complete the program may be granted credit towards an apprenticeship in the electrical construction trade.

Possible Employment Establishments:

- Hydro electric power stations
- Electrical contractors
- Pulp and paper mills
- Mining and smelting companies
- Telecommunications offices
- Railroads
- Elevator companies
- Electrical equipment manufacturers and distributors
- Other private industries

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	95
Number employed:	78
Number unemployed and seeking work:	6
Number not seeking work:	11
Percentage who found jobs in Winnipeg:	56.4
Percentage who found jobs in rural Manitoba:	42.3
Percentage who found jobs outside Manitoba:	1.3
Average weekly (hourly) earnings, 1977 grads:	$196.48 ($4.93)

ELECTRICAL (CONSTRUCTION/GENERAL)
ACTUAL OCCUPATIONS ATTAINED BY GRADUATES
1-YEAR FOLLOWING GRADUATION

		Graduates		
CCDO	GRADUATES' REPORTED JOB TITLES	1975	1976	1977
5130	Supervisors: Sales Occupations, Commodities			
	Paint Manager			1
5135	Salespersons, Commodities, n.e.c.			
	Electrical Partsperson, Sales	1		
5137	Sales Clerks, Commodities			
	Department Head		1	
6117	Other Ranks, Armed Forces			
	Army Career	1		
6191	Janitors, Charworkers and Cleaners			
	Janitor			1
7183	Field Crop & Vegetable-Growing Workers			
	Grain Farmer	1		
7516	Log Inspecting, Grading, Scaling & Related Occupations			
	Sorter Operator			1
8213	Baking, Confectionary Making & Related Occupations			
	Baker's Helper			1
8215	Slaughtering & Meat Cutting, Canning, Curing and Packing Occupations			
	Butcher	1		
8238	Occupations in Labouring & Other Elemental Work: Wood Processing, Except Paper Pulp			
	Common Labourer			1
8533	Electrical & Related Equipment Installing and Repairing Occupations, n.e.c.			
	Apprentice Electrician	2	1	11
	Motorman/woman (Winder) Electrical			1
8535	Electronic & Related Equipment Installing and Repairing Occupations, n.e.c.			
	Installation Technician	1		
8562	Upholsterers			
	Fibre Trimmer			1
8579	Fabricating, Assembling & Repairing Occupations Rubber, Plastic & Related Products, n.e.c.			
	Fibreglass Technician			1
8584	Industrial, Farm & Construction Machinery Mechanics and Repairers			
	Diesel Electrician		1	
8588	Precision-Instrument Mechanics & Repairers			
	Instrument Mechanic			1
8711	Excavating, Grading & Related Occupations			
	Loader Operator			1
8713	Paving, Surfacing & Related Occupations			
	Paving Machine Operator	1		

ELECTRICAL (CONSTRUCTION/GENERAL) (cont'd)

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
8731	Electrical Powerline Workers & Related Occupations			
	Construction Wirer Trainee	2		
8733	Construction Electricians & Repairers			
	Apprentice Electrician, Construction	14	10	
	Electrician's Helper			2
	Journeyman/woman Electrician			1
	Trades Helper			1
8735	Wire Communications & Related Equipment Installing and Repairing Occupations			
	Apprentice Maintainer, Telephones	1	1	
	Central Office Worker			1
8736	Inspecting & Testing Occupations: Electrical Power, Lighting & Wire Communications Equipment Erecting, Installing & Repairing			
	Electrical Technician Trainee			1
8739	Electrical Power, Lighting & Wire Communications Equipment Erecting, Installing & Repairing Occupations, n.e.c.			
	Apprentice Electrical Maintenance Worker	3	3	
8799	Other Construction Trades Occupations, n.e.c.			
	Elevator Mechanic's Helper		1	
9175	Truck Drivers			
	Truck Driver			1
		28	18	28

Course:	MAJOR APPLIANCE SERVICE TECHNICIAN (8533) *
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College

Course Description:

The Major Appliance Service Technician course prepares individuals for occupations concerned with installing, servicing and repairing major electrical appliances such as stoves, refrigerators, washing machines, dryers and gas appliances. Activities generally include: mounting and connecting equipment to power sources; analyzing faults with test instruments; disassembling and replacing defective parts and internal wiring; and reassembling and testing operation of equipment. Other duties of a major appliance service technician include demonstrating appliance operation and explaining features to customers, and preparing itemized bills for services rendered.

Possible Employment Establishments:

- Major appliances manufacturers
- Department stores - servicing of major appliances
- Independent service companies

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	17
Number employed:	15
Number unemployed and seeking work:	2
Number not seeking work:	NIL
Percentage who found jobs in Winnipeg:	86.7
Percentage who found jobs in rural Manitoba:	NIL
Percentage who found jobs outside Manitoba:	13.3
Average weekly (hourly) earnings, 1977 grads:	$186.20 ($4.48)

* Previously called Major Appliance Repair

MAJOR APPLIANCE SERVICE TECHNICIAN

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
4153	Shipping and Receiving Clerks			
	Order Clerk		1	
4155	Stock Clerks & Related Occupations			
	Stock Clerk	1		
4177	Messengers			
	Courier Driver			1
8533	Electrical & Related Equipment Installing and Repairing Occupations, n.e.c.			
	Appliance Service Technician	3	2	2
	Apprentice Industrial Electrician		2	
9173	Taxi Drivers and Chauffeurs			
	Driver and Maintenance			1
9179	Motor Transport Operating Occupations, n.e.c.			
	Taxi Dispatcher			1
		4	5	5

Course: REFRIGERATION AND AIR CONDITIONING (8533)

Course Type: Certificate

Colleges Where Course Offered: Red River Community College

Course Description:

The Refrigeration and Air Conditioning course prepares individuals for occupations concerned with installing and repairing commercial and industrial refrigeration and air conditioning equipment according to drawings and specifications. Activities generally include: mounting and connecting equipment to power sources; analyzing faults with test instruments; disassembling and replacing defective parts and internal wiring; and reassembling and testing operation of equipment. As well as working as refrigeration and air conditioning mechanics, graduates may find employment on maintenance crews of large buildings and transport truck companies.

Possible Employment Establishments:

- Transport truck companies
- Hospitals
- Retail stores - service departments
- Hotels
- Independent service companies
- Refrigeration manufacturers
- Refrigeration and air conditioning contractors
- Electrical, mechanical contractors
- Other private industries

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	17
Number employed:	16
Number unemployed and seeking work:	1
Number not seeking work:	NIL
Percentage who found jobs in Winnipeg:	87.5
Percentage who found jobs in rural Manitoba:	6.25
Percentage who found jobs outside Manitoba:	6.25
Average weekly (hourly) earnings, 1977 grads:	$248.38 ($6.12)

REFRIGERATION AND AIR CONDITIONING

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
4153	Shipping and Receiving Clerks			
	Receiver			1
5135	Salespersons, Commodities, n.e.c.			
	Parts Clerk			1
5137	Sales Clerks, Commodities			
	Sales Clerk	1		
8228	Occupations in Labouring & Other Elemental Work: Food, Beverage & Related Processing			
	Packing House Labourer		1	
8533	Electrical & Related Equipment Installing and Repairing Occupations, n.e.c.			
	Apprentice Refrigeration & Air Conditioning Servicer		1	
	Refrigeration & Air Conditioning Technician			1
	Refrigeration Mechanic		2	1
8583	Rail Transport Equipment Mechanics & Repairers			
	Car Worker			1
8733	Construction Electricians & Repairers			
	Air Conditioning Mechanic		1	
8735	Wire Communications & Related Equipment Installing & Repairing Occupations			
	Assistant Signal Repairer			1
8785	Painters, Paperhangers & Related Occupations			
	Painter/Decorator			1
8799	Other Construction Trades Occupations, n.e.c.			
	Maintenance Worker			1
9888	Job Titles Not Provided			
	Assistant Design Analyst			1
		1	5	9

Course:	ELECTRICAL DRAFTING (2163)
Course Type:	Certificate
Colleges Where Course Offered:	Red River Community College

Course Description:

The course is designed to produce a junior to intermediate level technician capable of working under supervision in an electrical consulting concern. The technician works from written, oral and sketched data to prepare working drawings using acceptable drafting techniques and methods. Graduates are suitable for employment with electrical contractors, that is, suppliers and installers of systems and equipment; and with electrical engineering consultants in the construction field as draftspersons, estimators and technical representatives.

Possible Employment Establishments:

- Electrical contracting
- Electrical Engineering Consultants

SURVEY DATA FROM 1977 GRADUATES

Number of responses:	13
Number employed:	11
Number unemployed and seeking work:	1
Number not seeking work:	1
Percentage who found jobs in Winnipeg:	81.8
Percentage who found jobs in rural Manitoba:	9.1
Percentage who found jobs outside Manitoba:	9.1
Average weekly (hourly) earnings, 1977 grads:	$210.55 ($5.77)

ELECTRICAL DRAFTING

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	1977 Graduates
2163	Draughtsman/woman	
	Drafting Technician I	1
	Draftsman/woman	1
	Electrical Draftsman/woman	3
	Junior Electrical Draftsman/woman	1
	Technician II	1
4153	Shipping and Receiving Clerks	
	Shipper-Receiver	1
4172	Mail Carriers	
	Letter Carrier	1
8781	Carpenters and Related Occupations	
	Apprentice Carpenter	1
9310	Foreman/woman: Material-Handling and Related Occupations, n.e.c.	
	Yard Foreman/woman	1
		11

Course: MECHANICAL ENGINEERING TECHNOLOGY (2165)
Course Type: Two-year Diploma
Colleges Where Course Offered: Red River Community College

Course Description:

The graduate's technical knowledge and design background allow him/her to work in the area of fluid power, machine component design, heating and ventilating system design, noise and vibration analysis, and low-cost automation. Graduates are capable of solving problems with computers. Further employment opportunities may be found in the fields of instrumentation, food processing, plastics, and the gas and oil industry.

Possible Employment Establishments:

- Consulting engineering offices
- Plant engineering offices
- Rocket research facilities
- Atomic energy research facilities
- Manufacturing plants

SURVEY DATA FROM 1977 GRADUATES:

Number of responses: 9
Number employed: 8
Number unemployed and seeking work: NIL
Number not seeking work: 1

Percentage who found jobs in Winnipeg: 100.0
Percentage who found jobs in rural Manitoba: NIL
Percentage who found jobs outside Manitoba: NIL

Average weekly (hourly) earnings, 1977 grads: $241.75 ($6.38)

MECHANICAL ENGINEERING TECHNOLOGY

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	1977 Graduates
1176	Inspectors & Regulatory Officers, Non-Government	
	Loss Prevention Inspector	1
2160	Supervisors, Other Occupations in Architecture and Engineering	
	Industrial Engineering Supervisor	1
2165	Architectural & Engineering Technologists and Technicians	
	Manufacturing Planning	1
	Mechanical Technologist	1
8313	Machinist & Machine-Tool Setting-Up Occupations	
	Apprentice Machinist	1
8530	Foreman/woman: Fabricating, Assembling, Installing & Repairing Occupations, Electrical Electronic and Related Equipment	
	Project Supervisor	1
8590	Foreman/woman: Product Fabricating, Assembling and Repairing Occupations, n.e.c.	
	Production Supervisor	1
9533	Stationary Engine & Auxiliary Equipment Operating & Maintaining Occupations	
	Power Engineer	1
		8

Course: POWER ENGINEERS - 1 YEAR (9533)
Course Type: Certificate
Colleges Where Course Offered: Red River Community College

Course Description:

The Power Engineers course prepares individuals for occupations concerned with operating and maintaining various types of stationary engines and auxiliary equipment such as boilers, furnaces, blowers, compressors, pumps, generators and motors used to supply steam, heat, refrigeration, ventilation, air conditioning, light, mechanical or electrical power. Duties include starting equipment, ensuring efficient operation, detecting malfunctions, making minor repairs and maintaining records on equipment performance and serviceability. Successful completion of the course allows graduates to be employed at a fourth class level in a class four level plant. Opportunities for advancement are available after gaining working experience.

Possible Employment Establishments:

- Meat processing plants
- Universities
- Cold storage plants
- Laundry and dry cleaning plants
- Food processing plants
- Breweries
- Government
- Schools
- Dairies
- Hydro stations
- Hospitals
- Other private businesses or industries

SURVEY DATA FOR YEARS 1976-1978

Number of responses: 53
Number employed: 51
Number unemployed and seeking work: 1
Number not seeking work: 1

Percentage who found jobs in Winnipeg: 76.4
Percentage who found jobs in rural Manitoba: 21.6
Percentage who found jobs outside Manitoba: 2.0

Average weekly (hourly) earnings, 1977 grads: $318.00 ($7.57)

POWER ENGINEERS

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
2147	**Mechanical Engineers**			
	Power Engineer		9	2
2165	Architectural and Engineering Technologists and Technicians			
	Assistant Engineer	1		
	Shift Engineer	1		
4153	Shipping and Receiving Clerks			
	Shipper/Receiver/Inventory Control			1
4179	Reception, Information, Mail & Message Distribution Occupations, n.e.c.			
	Acid Plant Operator		1	
6191	Janitors, Charworkers and Cleaners			
	Custodian			1
8733	Construction Electricians & Repairers			
	Industrial Electrician			1
9533	Stationary Engine & Auxiliary Equipment Operating and Maintaining Occupations			
	Boiler Operator	1		
	Chief Engineer	1		
	Operating Engineer	1		
	Physical Plant Shift Engineer			1
	Power Engineer	5		10
	Power Engineer - 4th Class			1
	Power Operating Stationary Engineer	1		
	Shift Engineer		1	
9559	Electronic & Related Communications Equipment Operating Occupations, n.e.c.			
	Console Operator			1
		11	11	18

Course:	POWER ENGINEERING TECHNOLOGY - 2 YEAR
Course Type:	Two-year Diploma
Colleges Where Course Offered:	Red River Community College

Course Description:

The Power Engineering Technology course prepares individuals for occupations concerned with operating and maintaining various types of stationary engines and auxiliary equipment such as boilers, furnaces, blowers, compressors, pumps, generators and motors used to supply steam, heat, refrigeration, ventilation, air conditioning, light, and mechanical or electrical power. Duties include: starting equipment, ensuring efficient operation, detecting malfunctions, making minor repairs, and maintaining records on equipment performance and serviceability. Successful completion of the course allows graduates to be employed at a third class level in a class three level plant. Opportunities for advancement are available after gaining working experience.

Possible Employment Establishments:

- Hydraulic companies
- Hydro electric stations
- Heating contractor
- Steel factories
- Other manufacturing plants
- Food processing plants
- Meat processing plants
- Dairies
- Breweries
- Hospitals

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	18
Number employed:	16
Number unemployed and seeking work:	1
Number not seeking work:	1
Percentage who found jobs in Winnipeg:	68.7
Percentage who found jobs in rural Manitoba:	18.8
Percentage who found jobs outside Manitoba:	12.5
Average weekly (hourly) earnings, 1977 grads:	$318.00 ($7.57)

POWER ENGINEERING TECHNOLOGY

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
1130	General Managers & Other Senior Officials			
	Assistant Manager		1	
1173	Organization and Methods Analysts			
	Work Study Analyst		1	
2145	Industrial Engineers			
	Methods Engineer		1	
2159	Architects and Engineers, n.e.c.			
	Senior Corrosion Technologist		1	
2165	Architectural and Engineering Technologists and Technicians			
	Estimator		1	
	Industrial and Plant Engineer	1		
	Project Manager	1		
2183	Systems Analysts, Computer Programmers and Related Occupations			
	Numerical Control Programmer		1	
	Systems Designer III		1	
4131	Bookkeepers and Accounting Clerks			
	Cost Estimator	1		
4151	Production Clerks			
	Production Control Clerk	1		
5131	Technical Salespersons & Related Advisers			
	Technical Sales Representative	1		
8590	Foreman/woman: Product Fabricating, Assembling and Repairing Occupations, n.e.c.			
	Quality Superintendent		1	
8796	Inspecting & Testing Occupations, Construction, Except Electrical			
	Construction Inspector		1	
9153	Engineer Officers, Ship			
	Marine Engineering Officer, Navy	1		
9533	Stationary Engine & Auxiliary Equipment Operating and Maintaining Occupations			
	Power Engineer			1
		6	9	1

SECTION V

TEACHER EDUCATION DIVISION

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A. Teacher Education

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Course: **BUSINESS TEACHER EDUCATION (2733)**
Course Type: Three-Year Teacher Certification, 2nd year at University of Manitoba
Colleges Where Course Offered: Red River Community College

Course Description:

The three types of Business Teacher Education courses are:

1. the Secretarial-Major course
2. the Accounting-Major course
3. the Marketing-Major course.

Each course has been designed to prepare individuals for occupations concerned with teaching the academics of the major in high school grades. Activities generally include: preparing teaching outlines for courses of study within prescribed educational regulations; instructing students through lessons, discussions, laboratory and shop sessions; assigning lessons and correcting homework papers; preparing, administering and marking tests to evaluate students' progress; recording results of students' tests; maintaining discipline in classrooms and other school areas; participating in staff meetings, educational conferences and teacher-training workshops and performing other duties related to student activities and counselling. Graduates may find employment in the secondary schools and community colleges of Manitoba.

SURVEY DATA FOR YEARS 1976-1978

Number of responses: 50
Number employed: 41
Number unemployed and seeking work: 2
Number not seeking work: 7

Percentage who found jobs in Winnipeg: 51.2
Percentage who found jobs in rural Manitoba: 48.8
Percentage who found jobs outside Manitoba: NIL

Average weekly (hourly) earnings, 1977 grads: $214.51 ($6.31)

BUSINESS TEACHER EDUCATION

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORT JOB TITLES	Graduates		
		1975	1976	1977
	SECRETARIAL MAJOR			
2733	Secondary School Teachers			
	Teacher, Business Education	8	5	6
	Teacher.	1		
4111	Secretaries and Stenographers			
	Branch Secretary			1
4197	General Office Clerk			
	Clerk			1
		9	5	8
	ACCOUNTING MAJOR			
2733	Secondary School Teachers			
	Teacher, Business Education	2	1	3
2791	Community College and Vocational School Teachers			
	Instructor, Business Education	1		
4111	Secretaries and Stenographers			
	Stenographer/Typist	1		
4197	General Office Clerks			
	Office Clerk			1
		4	1	4
	MARETING MAJOR			
2733	Secondary School Teachers			
	Teacher, Business Education	2	1	2
	High School Teacher			3
4193	Travel Clerks, Ticket, Station and Freight Agents			
	Manager, Reservation Clerk.		1	
		2	2	5
		15	8	17

Course:	INDUSTRIAL ARTS TEACHER EDUCATION (2733)
Course Type:	Three-year Teacher Certification, 2nd year at University of Manitoba
Colleges Where Course Offered:	Red River Community College

Course Description:

The Industrial Arts Teacher Education course prepares individuals for occupations concerned with teaching the basic theory of industrial arts in the junior and senior high school grades. Activities generally include: preparing teaching outlines for courses of study within prescribed educational regulations; instructing students through lessons, discussions, laboratory and shop sessions; assigning lessons and correcting homework papers; preparing, administering and marking tests to evaluate students' progress; maintaining discipline in classrooms and other school areas; participating in staff meetings, educational conferences, and teacher-training workshops and performing other duties related to student activities and counselling. Graduates may find employment in the junior and senior high schools of Manitoba.

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	31
Number employed:	28
Number unemployed and seeking work:	NIL
Number not seeking work:	3
Percentage who found jobs in Winnipeg:	35.7
Percentage who found jobs in rural Manitoba:	53.6
Percentage who found jobs outside Manitoba:	10.7
Average weekly (hourly) earnings, 1977 grads:	$233.64 ($6.74)

INDUSTRIAL ARTS TEACHER EDUCATION

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
1149	Other Managers and Administrators, n.e.c.			
	Manager, General Contractor	1		
2733	Secondary School Teachers			
	Department Head/Instructor		1	
	Industrial Arts Metals Instructor			1
	Teacher	1		4
	Teacher, Industrial Arts	4	4	7
	Teacher, Vocational Graphic Arts		1	
4131	Bookkeepers and Accounting Clerks			
	Timekeeper			1
5130	Supervisors: Sales Occupations, Commodities			
	Office Manager			1
8313	Machinist & Machine-Tool Setting-Up Occupations			
	Maintenance Mechanic	1		
		7	6	14

Course:	VOCATIONAL INDUSTRIAL TEACHER EDUCATION (2791)
Course Type:	One-year Teacher Certification *
Colleges Where Course Offered:	Red River Community College

Course Description:

The Vocational Industrial Teacher Education course prepares individuals for occupations concerned with teaching the basic theory of their vocational specialty at high school and community college levels. Activities generally include: preparing teaching outlines for courses of study within prescribed educational regulations; instructing students through lessons, discussions, laboratory and shop sessions; preparing, administering and marking tests to evaluate students' progress; attending conferences related to subject specialty; and performing other duties related to student activities. Graduates may find employment in the senior high schools and community colleges of Manitoba.

SURVEY DATA FOR YEARS 1976-1978

Number of responses:	14
Number employed:	14
Number unemployed and seeking work:	NIL
Number not seeking work:	NIL
Percentage who found jobs in Winnipeg:	57.1
Percentage who found jobs in rural Manitoba:	42.9
Percentage who found jobs outside Manitoba:	NIL
Average weekly (hourly) earnings, 1977 grads:	$250.00 ($5.56)

* Entrance requirements:

A journeyman/woman's certificate in a designated trade or evidence of satisfactory trade training and approved experience in a non-designated trade.

A minimum of three years of approved work experience after journeyman/woman certification or the equivalent experience in a non-designated trade.

VOCATIONAL INDUSTRIAL TEACHER EDUCATION

ACTUAL OCCUPATIONS ATTAINED BY COURSE GRADUATES

1-YEAR FOLLOWING GRADUATION

CCDO	GRADUATES' REPORTED JOB TITLES	Graduates		
		1975	1976	1977
1116	Inspectors & Regulatory Officers, Government			
	General Inspector	1		
1133	Administrators in Teaching & Related Fields			
	Director, Vocational Education	1		
2333	Occupations in Welfare & Community Services			
	Camp Manager			1
	Dry Cleaning Vocational Teacher			1
	Instructor, Auto Mechanics		2	
	Teacher, Vocational Industrial	3	1	
	Vocational Industrial Autobody Instructor			1
2791	Community College & Vocational School Teachers			
	Instructor, Electrical		1	
		5	4	3

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